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FIFTY-SEVENTH ANNUAL REPORT

 \mathbf{OF}

THE TRUSTEES

OF THE

NORTHAMPTON STATE HOSPITAL,

FOR THE

YEAR ENDING NOVEMBER 30, 1912.

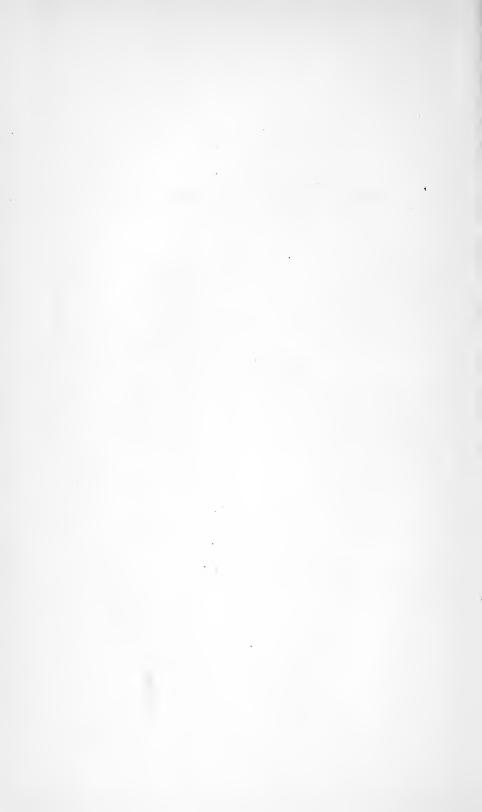


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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

LUKE CORCORAN, M.D., . Springfield. JOHN McQUAID, . . Pittsfield. HENRY L. WILLIAMS, Chairman. . . Northampton. CHARLES S. SHATTUCK, . . Hatfield. JOSEPH W. STEVENS, Secretary, . . Greenfield. EMILY N. NEWTON, Holyoke. CAROLINE A. YALE, . Northampton.

RE	SIDEN'	Т	OFFICERS.	
JOHN A. HOUSTON, M.D.,				Superintendent.
CHARLES H. DEAN, M.D.,				Assistant Physician.
B. ANGELA BOBER, M.D.,				Assistant Physician.
CHARLES E. PERRY, M.D.,				Assistant Physician.
ANNE HUMPHREYS, M.D.,				Junior Assistant Physician.
MARY C. COUCH, M.D.,				Junior Assistant Physician.
ARTHUR N. BALL, M.D.,				Junior Assistant Physician.
HARRIET M. WHITNEY, M	.D.,			Physician to Out-patient Department.
LEWIS F. BABBITT, .	•	•	•	Treasurer (office at the hospital).
THOMAS H. BUTTERWORT	Ή,			Engineer.
CARL W. HAMMOND, .				Farmer.
SUSAN E. WARREN, .				Matron.



The Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital present herewith their report for the year ending Nov. 30, 1912.

The reports of the superintendent and treasurer accompanying this give in detail an account of the management and financial affairs of the hospital. Reference to them shows that the year has been filled with many varied activities.

The operations of the hospital have been economically conducted. The cost of support of patients for the year was \$182,664, equivalent to a weekly rate of \$3.91 per patient. This is a little larger than the rate of a year ago, and is to be accounted for by the larger expenses for foodstuffs.

The receipts for the year were \$51,953, principally from board of inmates. This amount reduces the weekly cost to the State to \$2.83 per patient, practically the same as last year.

Besides these receipts in cash the hospital furnished products for the support of patients to the value of \$58,561.

Work on the new bakery and new laundry, for which appropriations were made last year, has progressed favorably. The new ovens have been in use about two months and prove to be very satisfactory. The machinery for the laundry has been received and is being installed by our own force of employees, with the help of patients, who also are doing all the piping for steam and water, and the electric wiring. This prolongs the work, but will effect a saving to the State of several hundred dollars.

The number of patients supported by the hospital is steadily increasing in spite of the relief afforded by our boarding-out system and by the transferring of patients to other institutions by the State Board of Insanity. Before long quite extensive provision must be made to care for this increase either in Northampton or somewhere else in the western part of the State, as

suggested in former reports. There are now from 80 to 90 women patients sleeping in corridors needed for daytime use. To provide relief in a measure for this overcrowding we have made plans for a dormitory to accommodate 84 patients at an estimated cost of \$41,000, and shall request the Legislature to grant an appropriation for the purpose.

The boilers now in use in our steam plant have been in service since January, 1893, and are about to be condemned by the State inspector because of old age. They are of a type no longer allowed to be installed by the laws of the state. The State inspector has cut the steam pressure at which they may be operated from 100 to 65 pounds. Their capacity is inadequate for our present needs; the future growth of the hospital will require boilers of greater horse power. We request the Legislature to make an appropriation for the purchase and setting of such new boilers as we need, the estimated cost, \$16,000, being based on quotations from three different firms of boiler-makers.

Several structural changes that will benefit the women patients of the first and second halls are desirable, and we ask for an appropriation for this purpose.

The first halls are pleasant till midday, after which they have no direct sunlight. It is proposed to remove the three windows at the south end of the corridor and to build a bay 20 feet wide by 10 feet in depth. The walls of this will be almost wholly of window surface. This will not only add to the comfortable appearance but will afford more light and will furnish better facilities for open-air treatment.

The corridor connecting the infirmary building for women to the main building is one story high. To get from the upper floors of one building to the corresponding floors of the other it is necessary to go down stairs and up again. The foundation walls of the present structure are heavy enough to sustain the weight of walls carried two stories higher. To do this is very desirable, as it will not only provide passageways between the buildings on each floor, but will also provide a sun room and a piazza on each floor, where the old ladies from both the infirmary and the second halls may get out of doors without going down stairs and up again, and in all kinds of weather.

It is estimated that these changes will cost \$7,000, and we

request the Legislature to appropriate this amount for the purpose. Incidentally, this will make available space where beds for 18 patients may be placed permanently.

Two pieces of land adjoining hospital property have recently come into the market. We think it advantageous for the hospital to purchase these. One is a tract of 75 acres lying next to one of our pastures, to which it will make a very desirable addition. For years we have had to rent land for pasturage, the present year having paid \$165 for this purpose. The other piece lies next our coal siding on the New York, New Haven & Hartford Railroad. This piece has been wanted by us for several years to increase our facilities for unloading coal and for making better provision for hauling it to the hospital. There are $2\frac{1}{2}$ acres in the lot, and on it is a house that can be made useful as a tenement for one of our employees. We have 9 such tenements and find their use of much advantage to the hospital. We shall ask for an appropriation of \$6,700 to purchase these two lots, one at \$2,500, the other at \$4,200.

There have been the following changes on our medical staff: Dr. Charles E. Perry was appointed to take the place made vacant by Dr. Whitney's resignation last year, and began his service on August 6. In June, Dr. Charles Stanley Raymond resigned to enter private practice, having served with credit for six years. To our sorrow Dr. Eliza P. Brison was obliged to resign because of illness. It is hoped that she will be able to return to the service. To take her place Dr. Anne Humphreys was appointed, beginning her service August 13. Dr. Arthur N. Ball and Dr. Mary C. Couch were appointed as internes for a year's service, beginning service on October 1 and September 9, respectively.

Respectfully submitted,

LUKE CORCORAN, M.D.
JOHN McQUAID.
HENRY L. WILLIAMS.
CHARLES S. SHATTUCK.
JOSEPH W. STEVENS.
EMILY N. NEWTON.
CAROLINE A. YALE.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

I hereby submit my report of the operations of the hospital for the year ending Nov. 30, 1912.

On Oct. 1, 1911, there were 898 patients in the hospital. During the following year 362 were admitted, making a total of 1,260 under our care, and 388 were dismissed, leaving 872 on Sept. 30, 1912.

The largest number on our records on any one day was 941, which is 23 more than the largest number at any time in any previous year.

The daily average number supported was 897, an increase of 14 over last year.

The State Board of Insanity relieved our overcrowding by transferring patients to other institutions, otherwise our daily average number would have far exceeded 890, the number for whose support the Legislature made appropriation.

Our experience of the last few years leads to the expectation of an increase in the daily average number to be supported of from 20 to 25 annually, and unless the State Board of Insanity can relieve us as it has this year and last by transferring patients to other institutions, we must ask the Legislature for means to provide for them, either by making additions to the present hospital buildings or by building branch institutions in other counties. The latter plan has many advantages that commend it to the careful consideration of your Board. while, some relief must be obtained from the overcrowding that now exists. On the first day of the hospital year, 133 patients were sleeping in beds made up in the corridors, and many rooms intended to accommodate one patient were occupied by two. A dormitory can be built at a low cost per patient, to be connected to the third halls on the women's side, to take care of most of these extra beds. I submit this for your approval.

Of the patients who were admitted, 333 were committed by the courts; of these, 43 had been here before; 34 came under the temporary care act; 19 were admitted under the voluntary commitment act; 4 were transferred from other institutions or from family care; 10 returned from trial visits with friends or relatives and 1 returned from escape. Of those regularly committed 271 had never before been in any hospital for the insane.

There is a gradual increase in the proportion of persons admitted of foreign birth, 41 per cent. of all persons admitted the past year being foreign born, 61 per cent. being of foreign parentage. Only 37 per cent. were born in Massachusetts. Ireland was the birthplace of 39, Canada of 20, England and Scotland of 15, Germany of 12, Italy of 6, Austria, Hungary, Russia and Poland of 31. This increase comprises a large part of the total increase in the number of patients cared for. Many of them are of the lowest types, undesirables, whose insanity either existed at the date of their arrival in this country or was from causes existing prior to their coming. Of the patients admitted during the year, 27 could speak no English nor understand more than a few words.

Sixty of the patients admitted were more than sixty years of age, 12 of these being eighty years old or more.

The insanity was of short duration in only a small percentage of cases. In 111 cases it was congenital or due to causes operating in infancy or childhood, and in 55 cases old age, with its degenerative changes, seemed to be the principal factor of causation. Arteriosclerosis, cerebral hemorrhage, epilepsy, trauma of the head, syphilis and gross brain disease were causes in 31 cases. Intemperance was the chief cause in nearly 70 cases. Hereditary tendencies, as usual, were found in a large proportion of cases and seemed to be the principal cause in 45 cases.

A study of the table of forms of disease in patients admitted will show how few of the cases admitted were of types of insanity from which recovery may be expected.

There were 8 cases of voluntary commitment in the hospital at the beginning of the year and 19 more came during the year. Some of these needed to be committed by the courts later, but others continued under treatment till discharged as cured, while 5 remain at the end of the year, 4 insane and 1 not insane. We advise this form of commitment in all suitable cases, because in this way some may be persuaded to begin treatment sooner than if they wait for regular commitment, and in many cases the feeling that they may terminate their stay here by their own will tends to make them more contented.

More cases were discharged this year than were admitted. This happened largely because the State Board of Insanity, to relieve our overcrowding, transferred 26 patients to the Gardner State Colony, 33 to Medfield State Asylum, 17 to Worcester State Asylum, 1 to Westborough State Hospital and 1 to Monson State Hospital.

The status of those discharged was as follows: recovered, 55; capable of self-support, 58; improved, 51; not improved, 28; not insane (including inebriates and voluntary cases), 15. At the end of the year, 67 were away on trial visit, most of whom will undoubtedly be able to remain away. Ninety-four patients died, .076 per cent. of the persons under treatment. Forty-one of these died from old age or from the troubles incident to old age; 9 from cerebral hemorrhage; 8 from general paralysis of the insane; 9 from tuberculosis; 7 from endocarditis and myocarditis; and the others 1 each from various causes.

We reported a case of pellagra last year. Since then two cases have been admitted, one of whom died and the other was discharged. A third case, which has been in the hospital many years, has symptoms strongly pointing to the disease, but not pronounced enough to make a positive diagnosis.

For fifteen months we have been working along the lines suggested in our reports of last year and the year before, whereby we can keep in better touch with patients who are away from the hospital. Dr. Whitney, who was appointed to this service, is peculiarly fitted for it because of her previous long connection with the hospital as assistant physician. Her work, which has proven the wisdom of the undertaking, has been advantageous to the hospital, to the patients who are away from the hospital, and to the public. She has not restricted her work to those who are or who have at some time been patients of the hospital, but has visited and advised others, thus combining the duties of field worker with those of social service worker.

Much of her work has been devoted to the placing of patients in family care. From 1905, when hospitals were first permitted to board patients in private families, to Oct. 1, 1911, we had placed 33 patients in family care, in addition to those so boarded out by the State Board of Insanity. Following the engagement of Dr. Whitney we have made efforts to increase the number so cared for. At the beginning of the year there were 10 women boarded out, which number was increased by 18 women and 2 men, making a total for the year of 30 in private families under hospital supervision.

When suitable patients and good homes for them can be found, this system works well. During the year only 4 patients had to be brought back to the hospital, 3 of these because of illness of the patient, 1 because she became too disturbed mentally to remain away.

Four of those in family care are self-supporting, that is, they earn their board by helping in the families with whom they live; all are partially self-supporting and one is earning his board and \$15 a month as a farm laborer. The discharge of the latter from hospital supervision is being considered.

We feel that we have made a good beginning and hope that as the system is better understood by relatives of the patients and by the public we may be able to place a much larger number in family care.

We have learned that there are serious hindrances to the placing out of as large a number as is thought possible by sanguine advocates of the system who have had little practical experience. First, we have always tried to persuade the relatives to take to their own homes patients who would otherwise be suitable for boarding out. This limits the selection of cases to a comparatively small number. Then comes the difficulty of finding suitable homes and of fitting patients and homes to each other. Dr. Whitney visited 29 families who had applied for patients. Eight of these were rejected as unsuitable because of untidy conditions of the house; 5 because the homes were inaccessible; and 3 because of unfitness of the families to care for patients.

Of the families who were selected as suitable, 9 wrote to us later refusing to take patients, giving various reasons, such as

the low rate of board paid, a preference for State children, and fear of the insane by some member of the family. The families that apply for boarders wish to take them for the board money they will receive or for the help the patient will give in the house or on the farm.

Many of the friends of patients object to their being boarded away from the hospital, at least till more fully understanding the purpose and learning some of the results in similar cases. As this was being written a letter was received from a man protesting against our placing his mother in a family. feared that his mother might be placed in an isolated locality inconvenient for visitation, or that she might not be treated as well as she is in the hospital. He writes, "While I fully realize that it would be to your interest to place her in a respectable family, I feel that their only interest would be the consideration for which she was boarded." Others express the fear that the patient will not be as happy and as comfortable as at the hospital; and others still that they themselves will be subjected to criticism for not taking the patients home instead of allowing strangers to care for them. Then also some of the patients object, and several have refused to go to places selected They think they will be less comfortable or will for them. have to work hard or will miss the companionships formed at the hospital. They dislike leaving the comforts of the hospital for unknown conditions. Some object to going anywhere except to their own homes or to their own supervision of themselves, saying that if they are well enough to work for others they can work and care for themselves. It is to be said, however, that most of the patients who are placed out soon become contented in their new surroundings.

Dr. Whitney made 64 visits to 43 patients who were absent from the hospital on visits, 4 of whom were advised to return to the hospital for further observation. Three of these remained a few days and were again discharged on visit and 1 still remains in the hospital.

One old lady was found tied in bed. Her relatives claimed ignorance of the law regarding restraint of insane persons, and as the patient was otherwise well cared for, on their promise not to offend again she was transferred to boarding out. She is

frequently visited by one of our physicians and has since been doing very well.

Another patient's visit was once renewed and at her own request she was then boarded out that she might continue under hospital supervision.

In many cases advice as to occupation, food, recreation, etc., was given, and in some cases prescriptions have been given to patients who appeared in need of them. In these cases patients and relatives have appeared grateful for the interest taken in them, and some benefit has been derived. In several cases the relatives of patients who were still in the hospital were visited and a report of the patients' condition was made to them. It has pleased them that the hospital should manifest such interest, and has created a feeling of confidence in the management.

The condition of ten patients prior to commitment was investigated. Many individuals who might be acquainted with the patients were visited and questioned. Facts leading to the deportation of two cases were ascertained and facts concerning the previous history of the entire number were learned.

In nine cases the homes of relatives applying for the discharge of patients who were not fully recovered were visited. In several cases the surroundings were found to be such that it was considered advisable for the patient to remain in the hospital. Poverty and squalid, unhygienic surroundings probably would have caused a speedy relapse in the patient's mental condition. The inability of the persons who would have the care of these cases to supervise them was also taken into consideration, and in several cases discharge was refused.

Application for the removal of a tubercular patient was made by her sister. Investigation showed that a family of nine were living in a five-room tenement, where the kitchen was the only heated room and was the living apartment of the family. It received no sunshine. The patient would have slept in a room with three other persons, sharing a bed with one of them. This family of nine were dependent upon three wage earners whose combined earnings were insufficient to care for them properly.

In a case where a return to her own home was inadvisable, a temporary home with relatives, who secured employment for the patient, was arranged.

The mother of a feeble-minded boy applied for his discharge. A visit showed that the mother with another son, who was confined to bed with rheumatism for six months, and a feeble-minded daughter, were living together in two rooms which were indescribably squalid. The daughter worked in a mill and the mother did day-work, so could not supervise the patient during the day. Discharge of the patient was refused because he had been intemperate and, as no work could be obtained for him, he would become a menace to the community.

In four cases relatives were advised that the patient should be given a trial outside the hospital; work was secured for two men who were discharged; homes were secured for two women who have since done well. None of these home conditions could have been easily learned except through the personal visits of a social worker.

Several cases were seen in consultation with other physicians and commitment recommended to the hospital or to other institutions, such as the School for Feeble-minded. In one case a patient was taken to the State hospital as a voluntary patient.

The value of employment in treatment of patients has been noted repeatedly in the annual reports of the hospital for more than fifty years. Not infrequently some zealous but not well-informed advocate of such measures advises their employment in our hospitals, unaware of the extensive use of them that has been made for years.

A brief statement of some of the things done here may be of interest, though similar to what has been mentioned in former reports. Every patient who is physically strong enough and whose mental state does not preclude it, is required to do something to occupy time and attention. Many of them, besides caring for their own rooms, are engaged in the routine housework of the institution, in cooking, washing, ironing and mending. They make articles of wearing apparel, — dresses, aprons, shirts, overalls, underwear, towels, sheets and the like. Reference is made to the table, on page 24, accompanying this report, which shows the number of articles made during the year. A list of the articles of clothing mended numbers 46,000 pieces for the year.

Women have been engaged in the gardens picking strawber-

ries, currants, pease, beans and tomatoes, and several of them have had garden plots to care for in which they have raised not only flowers but tomatoes, cucumbers, lettuce, onions, radishes, etc, which they have had for use in their own dining rooms for salads, pickles, etc.

Fifty-three women were engaged in embroidery, crocheting and knitting; in making bags, cushion covers, woven rag rugs, braided rugs, bed slippers, baskets from raffia, handkerchiefs, lace, knitted face-cloths and beaded purses; in tatting, netting, molding in clay, drawing and painting and in millinery.

The men have worked in the kitchen, bakery, laundry, carpenter shop and machine shop, at the barn and stable, on the farm, in the gardens, at grading, excavating, making roads and sidewalks and laying cement floors. Eight or nine have been helping frame an ice house. They have made all the tinware in use in the hospital, have cane-seated 43 chairs, one of them having made the loom on which the cane seats were woven. They have made 537 brooms and 87 whisk brushes of broom. corn raised on the farm, using over again many of the handles from the worn-out brooms. They have made 156 hair pillows and 594 mattresses; some of these of new materials, but many of old materials steamed and repicked. They have tapped 469 pairs of shoes and have put heels on 587 pairs; have reframed about 30 large pictures for the wards; have repaired many broken pieces of furniture. They have painted the walls of several wards and of many of the patients' rooms under the supervision of the nurses, besides working with our painters. Considerable printing has been done by a patient, such as envelopes, cards, notices, visiting rules and blanks for many uses, and he has made all the envelopes for our case histories. Besides the above there have been individual things done too many to enumerate.

Patients are taken out to walk every pleasant day. In the warm weather they are out morning, afternoon and evening. Out-of-door games are made use of, as croquet, tennis, basket ball, etc., for the women and baseball for the men. Last winter many of the patients went coasting daily on the hill in front of the hospital. Many went to the Three Counties Fair and often attended some entertainment in town.

One hundred and fifty-five assemblies of patients have been held. The following is a list of the entertainments: readings by some member of the staff on 40 evenings; dancing on 20 evenings; card parties on 8 evenings; stereopticon lectures on 2 evenings; phonographic concerts on 5 evenings; dramatic entertainment by patients and nurses on 1 evening; December 18, concert, Mr. Bill and Mr. Strout; December 25, Christmas tree; January 9, musical, Mr. Brigham; January 15, musical, Mr. and Mrs. Peterson; January 23, dramatic entertainment, Mrs. Mills and young people of Amherst; January 29, concert, Miss Holmes, Mr. Sonnella and Mr. Payne; February 3, Northampton High School Dramatic Club; February 20, musical, Mr. McKean, Mr. Hosmer and the Misses Duma of Springfield; February 24, musical, Mr. W. O. Crocker; February 27, Amherst High School Glee Club; March 4, lecture, Mr. Peterson; March 18, entertainment, Mr. Harrell; April 2, musical, the Misses Woods; April 8, Dramatic Club of Amherst High School; April 20, entertainment, Mr. Reynolds; May 7, reading, Mrs. Moulton; May 13, musical, Smith College students; May 20, dramatic entertainment, Mr. and Mrs. Mills and young people of Amherst; June 17, musical, the Misses Woods; September 23, entertainment, Mr. Lorraine; October 21, entertainment, Mr. Taggart; October 31, Hallowe'en party; November 16, entertainment, Mr. Clark; November 29, musical, the Misses Woods. At each of these gatherings music forms some part of the entertainment. The patients march in and out to music and the readings are preceded and followed by singing by the choir.

We have a library of 2,200 volumes which patients are allowed to use. About 1,000 volumes a year are reported as being taken out. In addition, we subscribe to 32 papers and magazines, which are freely circulated. Many of the patients have papers sent them, and they have the use of a considerable number subscribed for by employees. Friends of the hospital frequently send us old magazines, which are gratefully received.

Religious services have been held every Lord's Day afternoon, the clergymen of the neighborhood kindly officiating. I take opportunity here to express our appreciation of their kindness in coming, frequently at considerable inconvenience to themselves. Beginning with the new hospital year special services will be held each Lord's Day for the patients who are of Catholic faith.

The season has been an excellent one for the farm, as is shown by the table of farm products. Many of the crops were larger than the average for the past few years.

The cows have been tested for tuberculosis regularly, as here-tofore.

Many feet of fencing have been renewed and about an acre and a half of land covered with brush and large stones have been reclaimed and will be in a tillable condition the coming year.

The most important things done during the year in repairs and improvements are noted below for the purpose of record:—

New fire-alarm gongs were put up, one in each ward throughout the hospital. The underground electric wires from the engine room to the lights along the driveway, a distance of 1,250 feet, were taken up and relaid, bedded in pitch, in a wooden trough; 350 feet of wires from the engine room to the women's infirmary were treated in the same way.

About 1,300 feet of 1½-inch old water pipes were taken up and replaced with new to supply the houses for employees near the river.

Two hundred feet of 10-inch Akron pipe that conducts away the surface water from the roads near the kitchen, laundry and shops were taken up and relaid.

A tunnel extending from the boiler rooms to the new laundry building was constructed for the purpose of carrying the water and steam pipes and the electric wires to supply the laundry. This extends under the building for patients who work on the farm. From there to the laundry, a distance of 245 feet, it is 4 feet wide by 5 feet high, the bottom and sides being made of cement, the arched top of brick.

The following cement work has been done: a new washstand in the horse stable was laid; retaining walls were built at the entrance to the basement of the stable; foundations for the new ovens were put in and foundations for a new ice house; a floor in the new laundry over the entire surface was laid; sidewalks were built along two sides of the laundry, around the north and west ends of the employees' buildings and near the new bakery.

A road was built down the hill from the laundry to the ice house, many cubic yards of stone and earth being used.

In all the above, the excavating, grading and moving of earth has been done by patients, who have also mixed and helped lay the cement work.

Grateful acknowledgment is made to the following persons for gifts and services: to Mrs. J. L. Egbert, Mrs. W. T. Parker, Mrs. J. J. Delaney, Mrs. J. J. Sullivan and Miss Elizabeth Kahn for gifts for the Christmas tree; to Mr. Perkins for paper napkins and doilies; to Mrs. Graves, Mr. R. L. Beekman, Mrs. Warren, Mrs. Ganong, Mrs. Ross, Mr. Lyman and to the college houses for magazines and papers; to Mr. Payne, Mr. McKean, Mr. Crocker and to the Smith College students for an evening's entertainment; to the publishers of "Christian Register," "Dumb Animals," "The Healthy Home Quarterly," "The New Church Journal," and "The Christian Science Monitor" for regular copies of their publications.

JOHN A. HOUSTON,

Superintendent.

DIETARY OF THE NORTHAMPTON STATE HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about three hundred persons and the second to the remainder. In addition to these, about 190 quarts of egg and milk are taken through the wards between meals and at bed time and distributed to the old, the feeble and the convalescent cases.]

BILL OF FARE No. 1.

BREAKFAST.

- Monday. Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes, corn cake, bread and butter.
- Tuesday. Tea, coffee, oatmeal, fried tripe, potatoes, warm rolls, sausage in winter, bread and butter.
- Wednesday. Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes, warm brown (rye or Indian) bread.
- Thursday. Tea, coffee, oatmeal, broiled beefsteak, potatoes, warm rolls, bread and butter.
- Friday. Tea, coffee, oatmeal, fried tripe, potatoes, warm rolls, pork steak in winter, bread and butter.
- Saturday. Tea, coffee, oatmeal, either fried fish balls or liver, meat hash, hot corn cake, bread and butter.
- Sunday. Tea, coffee, oatmeal, eggs, potatoes, bread and butter...

DINNER.

- Monday. Roast beef, potatoes and one other vegetable, bread and butter, boiled rice with syrup or sugar.
- Tuesday. Vegetable soup, roast or stewed veal or beef, roast pork in winter, potatoes and one other vegetable, bread and butter, cornmeal mush.
- Wednesday. Either roast pork or beef, potatoes and one other vegetable, bread and butter, berry or apple pudding, with sauce.
- Thursday. Vegetable soup, corned beef, potatoes and one other vegetable, bread and butter, boiled suet pudding with syrup.
- Friday. Either fried or baked fresh fish,² potatoes and one other vegetable, bread and butter, tapioca pudding or raisin pudding of either rice, bread or cracker.

¹ At least three vegetables during the summer.

² Substituted by stewed oysters in winter, with some kind of roasted meat for those who prefer it.

Saturday. — Baked beans, comed beef, potatoes and one other vegetable, pickles, bread and butter and baked bread pudding.

Sunday. — Stewed mutton or boiled shoulders, potatoes, pickles, bread and butter and pies, the kind varying with the season.

SUPPER.

Monday. — Tea, bread and butter, soft gingerbread and a relish.1

Tuesday. — Tea, bread and butter, soft gingerbread and a relish.1

Wednesday. — Tea, bread and butter, pie (varying with the season), graham bread and cheese.

Thursday. — Tea, bread and butter, cookies and a relish.1

Friday. — Tea, bread and butter, cake (the kind varying) and a relish.1

Saturday. — Tea, bread and butter, cookies and ginger snaps and blanc-mange or corn starch and sauce. Hulled corn once in two weeks.

Sunday. — Tea, bread and butter, cornstarch pudding, cookies, ginger snaps and a relish.

BILL OF FARE No. 2.

Breakfast.

Monday. - Coffee, oatmeal, boiled eggs, potatoes, bread and butter.

Tuesday. — Coffee, oatmeal, cold roast beef, potatoes, bread and butter. Wednesday. — Coffee, oatmeal, boiled eggs, potatoes, bread and butter.

Thursday. — Coffee, oatmeal, picked codfish cooked in milk, potatoes, bread and butter.

Friday. — Coffee, oatmeal, cold corned beef, potatoes, bread and butter. Saturday. — Coffee, oatmeal, hash, either meat or fish, bread and butter. Sunday. — Coffee, oatmeal, boiled eggs, potatoes, bread and butter.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable, boiled hominy with molasses, bread and butter.

Tuesday. — Vegetable soup, potatoes and one other vegetable, bread, corn meal mush with syrup.

Wednesday. — Boiled codfish, potatoes and one other vegetable, boiled hasty pudding with molasses, bread and butter.

Thursday. — Vegetable soup, potatoes, cabbage or some other vegetable, boiled rice with molasses, bread and butter.

Friday. — Boiled fresh fish, potatoes, beets or some other vegetable, boiled hasty pudding with molasses, bread and butter.

Saturday. --- Hot baked beans, potatoes, pickles, bread and butter, bread pudding.

Sunday. — Cold corned beef, potatoes, pies, bread and butter.

¹ This term, used for want of a better, includes dried beef, berries, baked apples, apple sauce and canned fruit, all of which are supplied, and each according to the season.

SUPPER.

Monday. — Tea, bread and butter, gingerbread, sauce.

Tuesday. - Tea, bread and butter, soft gingerbread, sauce.

Wednesday. — Tea, bread and butter, gingerbread and some kind of relish.

Thursday. - Tea, bread and butter, cookies, sauce.

Friday. — Tea, bread and butter, soft gingerbread, sauce.

Saturday. — Tea, bread and butter, cake, sauce.

Sunday. — Tea, bread and butter, cookies, sauce.

EXTRAS.

Hulled corn at supper on Saturdays.

In August and September these tables are furnished with either berries, tomatoes or baked apples as many as five times a week.

In eight halls, sauce of either fresh or dried apples is furnished five times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day and on Christmas, with vegetables, celery, cranberry sauce, pudding and pie.

From four to five barrels of green sweet corn in the ear are consumed in its season, daily, with the exception of Sunday.

Strawberries, tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring spinach and Swiss chard are largely used as greens, and horse-radish as a condiment.

Beef tea, chicken broth, mutton broth, scalded milk, oatmeal gruel, milk punch, oatmeal porridge, dry toast, milk toast, toast with dropped eggs, meat hash, beefsteak, grape juice, jelly, canned fruit and fresh fruit for invalids and all who are not able to take the regular fare.

Three halls have fresh fruit for dinner on Sundays, Tuesdays and Fridays.

ARTICLES MADE IN SEWING ROOM.

			1	-
Aprons,		447	Milk cloths, .	. 146
Bath robes,	٠.	10	Napkins hemmed,	. 117
Binders,		, 2	Neckties,	. 12
Bloomers,		2	Nightgowns, long,	. 74
Bureau covers, .		317	Nightgowns, short,	. 933
Caps,		465	Obstetrical pads,	. 2
Chemises,		101	Oversleeves, pairs,	. 2
Clothes bags, .		11	Petticoats,	. 191
Corset covers, .		53	Pillow cases, .	. 1,349
Covers for extract		4	Pillow ticks, .	. 7
Curtains, sash, .		36	Rugs bound, .	. 40
Curtains, screen, .		57	Shirts,	. 388
Curtains, shades,		185	Shirt waists,	. 25
Curtains, muslin,		18	Sheets,	. 1,259
Drawers,		56	Slings,	. 24
Dresses,		205	Sofa pillow covers,	. 12
Dresses made over	, .	51	Stand covers, .	. 335
Dress skirts, .		3	Table cloths, .	. 112
Dress skirts made	over,	30	Towels, roller, .	. 12
Dust cloths hemme	ed, .	6	Towels,	. 3,323
Filter cloths, .		6	Towels rehemmed,	. 1,543
Holders,		136	Vests made larger,	. 2
Mattress ticks, .		69	Articles repaired,	. 46,047

WORK DONE IN INDUSTRIES DEPARTMENT.

Hair mattresses made,	new	mate	rial,				8
Hair mattresses made,	old 1	nater	ial,				498
Hair mattresses made,	old h	air, 1	new t	icks,			88
Hair pillows made, old	hair	, new	v tick	s,			41
Hair pillows made, old	hair	, old	ticks	٠, ,			115
Chairs caned, .							43
							537
Whisk brooms made,							86
Shoes tapped, pairs,							469
Shoes heeled, pairs,		•	•				587

PRESERVING DONE IN KITCHEN DEPART-MENT.

		1			
		12	Cucumber sweet pickles, gal-		
	. 1	.68	lons,		1 3
		85	Tomato sweet pickles, gallons,		4
		68	Tomato ketchup, bottles, .	1	14
		67	Tomato chow-chow, gallons, .		40
		73	Tomato Chili sauce, gallons, .		24
		58	Pepper hash, quarts,		17
		40	Apple and raspberry jelly,		
		35	glasses,		64
	. 1	55	Currant jelly, glasses,		80
	. 5	667	Grape jelly, glasses,		16
allons	s,	12			16
rels,		2	, , , ,		
·					
	·				

OFFICERS AND EMPLOYEES.

[Time employed, Nov. 30, 1912.]

Names.	Years.	Months.	Days.
John A. Houston, M.D., superintendent,	23	2	7
Charles H. Dean, M.D., assistant physician,	$\overline{12}$	$\bar{6}$	$2\dot{1}$
B. Angela Bober, M.D., assistant physician,	1		2
Harriet W. Whitney, M.D., assistant physician, .	13	2 8 3 2 2	17
Charles E. Perry, M.D., assistant physician,	-	3	26
Anne Humphreys, M.D., assistant physician,	_	3	19
Mary C. Couch, M.D., assistant physician,	_	2	22
Arthur N. Ball, M.D., assistant physician,	_	2	-
Lewis F. Babbitt, treasurer,	21	1	18
Burton G. Fiske, supervisor,	9	1	15
Alice E. Bedell, superintendent of nurses,	10	3	20
Susan E. Warren, matron,	18	8	8
Susan E. Warren, matron,	19	4	11
Carl W Hammond tarmer	2	9	_
William J. Moore, steward, George Begor, assistant steward, Ord Thomas assistant steward	16	1	3
George Begor, assistant steward,	5	$\begin{array}{c c} 2 \\ 2 \end{array}$	9
Old Illollias, assistant seeward,	3	2	9
	3	7	_
M. M. Perry, stenographer,	7	3	-
Susan E. Norton, clothesmarker,	4	7	29
Leon L. Diuce, baker,	7	5	4
Arthur L. Hubby, assistant baker,	1	10	23
George W. Thorniley, florist,	19	7	11 17
Thomas Butterworth, engineer,	$\begin{array}{c c} 5 \\ 14 \end{array}$	7	29
William Day, assistant engineer,	3	8	$\frac{29}{24}$
Isaac Fisk, assistant engineer,	4	4	5
Francis Pond, assistant engineer, Raymond Fisk, fireman,	1	10	30
Raymond Fisk, fireman,	1	1 1	12
Ernest Holmes, fireman,	1	1	12
Tefield Lucier, fireman,	3	1	2
Tefield Lucier, fireman,	-		$\frac{1}{2}$
George Forsythe, fireman,	6	10	19
Colin Hamal garmatrass	1	10	23
Cortrudo McCouley spamstress	_	2	6
Celia Hamel, seamstress,	1	8	$2\overset{\circ}{3}$
Addie M. Wood, seamstress,	$\hat{2}$	7	20
Addie M. Wood, seamstress,	15	2	29
Katharine McGrath, laundress,	4	$\bar{5}$	17
Nellie McGrath, laundress,	5	i	22
Nellie McGrath, laundress,	6	5	2
Lister 1.200.0, awareness,			

Nora Pond, laundress,	Nami	es.						Years.	Months.	Days.
Nora Pond, laundress, - - -	Addie West, laundress.							2	2	19
Emma Billings, usher, 1 10 Frances E. Packard, usher, 1 1 Alice Campbell, housemaid, - 5 Kate Flaherty, housemaid, 1 - Emma Kellogg, housemaid, 1 - Jennie Pederson, housemaid, 1 2 Grace Thomas, housemaid, - - Kate Moran, center dining room, - 4 Anne Canning, kitchen maid, - 4 Agnes Gotski, kitchen maid, - 1 Nora O'Neill, kitchen maid, - 1 Victoria Ridgeck, kitchen maid, - 1 Mary Spelman, kitchen maid, - 1 Mary Spelman, kitchen maid, 2 1 Mary Spelman, kitchen maid, 2 1 Emil Erxleben, kitchen, - 9				_					_	$16\frac{1}{2}$
Frances E. Packard, usher, Alice Campbell, housemaid, Alice Campbell, housemaid, Camma Kellogg, housemaid, Camma Kellogg, housemaid, Jennie Pederson, housemaid, Jennie Pederson, housemaid, Grace Thomas, housemaid, Theresa Pvorcan, center dining room, Annie Canning, kitchen maid, Agnes Gotski, kitchen maid, Agnes Gotski, kitchen maid, Victoria Ridgeck, kitchen maid, Victoria Ridgeck, kitchen maid, Anna Thomas, kitchen, Bamil Erxleben, kitchen, Anna Thomas, kitchen maid, Anna					Ť	Ĭ		1	10	7
Alice Campbell, housemaid, Kate Flaherty, housemaid, Kate Flaherty, housemaid, Jennie Pederson, housemaid, Jennie Pederson, housemaid, Jennie Pederson, housemaid, Kate Moran, center dining room, Theresa Pvorcan, center dining room, Theresa Pvorcan, center dining room, Annie Canning, kitchen maid, Agnes Gotski, kitchen maid, Agnes Gotski, kitchen maid, Victoria Ridgeck, kitchen maid, Jenil Erxleben, kitchen maid, Anna Thomas, kitchen, Battarine Ridgeck, cook,		•	•	·	•	·				30
Kate Flaherty, housemaid, 3 - 2 Emma Kellogg, housemaid, 1 - 2 Jennie Pederson, housemaid, - - - 2 Grace Thomas, housemaid, - - - 4 Kate Moran, center dining room, - - 4 Theresa Pvorcan, center dining room, - - 4 Annie Canning, kitchen maid, - - 4 Agnes Gotski, kitchen maid, - - 4 Agnes Gotski, kitchen maid, - - 1 Victoria Ridgeck, kitchen maid, - - 1 Victoria Ridgeck, kitchen maid, - 1 4 Anna Thomas, kitchen maid, - 1 4 Anna Thomas, kitchen maid, 2 1 4 Anna Thomas, kitchen maid, - - 9 Katharine Ridgeck, cook, - - 6 Margaret Stone, cook, - - 6 Margaret Stone, cook, - - 1 Fred D. Aldrich, nurse, 8 11			•	Ť	•	·	_ []	_		12
Emma Kellogg, housemaid, 1 — 2 Jennie Pederson, housemaid, 1 2 2 Grace Thomas, housemaid, — — 4 Kate Moran, center dining room, — — 4 Theresa Pvorcan, center dining room, — — 4 Annie Canning, kitchen maid, — 4 2 Agnes Gotski, kitchen maid, — 4 2 Nora O'Neill, kitchen maid, — — 1 Victoria Ridgeck, kitchen maid, — — 1 Victoria Ridgeck, kitchen maid, — — 1 Anna Thomas, kitchen maid, — — 1 Mary Spelman, kitchen maid, — — 1 Emil Erxleben, kitchen, — — 9 Katharine Ridgeck, cook, — — 6 Margaret Stone, cook, — — 1 Harry W. Love, night nurse, — 1 Fred D. Aldrich, nurse, — 1 John B			•	·	·	·		3	_	$\overline{27}$
Jennie Pederson, housemaid, 1 2 6 Grace Thomas, housemaid, - - 1 Kate Moran, center dining room, - - 4 Theresa Pvorcan, center dining room, 2 - - Annie Canning, kitchen maid, - 2 7 Nora O'Neill, kitchen maid, - 1 4 Agnes Gotski, kitchen maid, - 1 4 Margare Gotski, kitchen maid, - 1 4 Mary Spelman, kitchen maid, 2 1 4 Anna Thomas, kitchen maid, 2 1 4 Anna Thomas, kitchen maid, 2 1 2 Emil Erxleben, kitchen, - 9 6 Margaret Stone, cook, - 6 6 Margaret Stone, cook, - 6 6 Margaret Stone, cook, - 1 1 Harry W. Love, night nurse, 8 11 1 Fred D. Aldrich, nurse, 12 11 <			•	Ĭ.	į	· ·				$\overline{22}$
Grace Thomas, housemaid,				•	·	·			2	$\frac{22}{23}$
Kate Moran, center dining room, — 4 Theresa Pvorcan, center dining room, 2 — Annie Canning, kitchen maid, — 4 Agnes Gotski, kitchen maid, — 1 Nora O'Neill, kitchen maid, — 1 Victoria Ridgeck, kitchen maid, — 3 Mary Spelman, kitchen maid, 2 1 Emil Erxleben, kitchen, — 9 Katharine Ridgeck, cook, — 6 Margaret Stone, cook, — 1 Harry W. Love, night nurse, 8 11 Fred D. Aldrich, nurse, 12 11 John Barclay, nurse, — 5 Alexander Beaton, nurse, 7 4 John J. Bradley, nurse, 4 6 Charles Cadette, nurse, — 1 E. T. Campbell, nurse, — 1 Geo. M. Clark, nurse, — 4 Albert Claydon, nurse, — 4 Timothy Feeney, nurse, — 4 Axel Gustafson, nurse, — 4 John E. Greene, nurse, —	Grace Thomas housemaid	~,	·	•	·	·		_] [$\overline{13}$
Theresa Pvorcan, center dining room, Annie Canning, kitchen maid, Agnes Gotski, kitchen maid, Victoria Ridgeck, kitchen maid, Mary Spelman, kitchen maid, Anna Thomas, kitchen maid, Anna Thomas, kitchen maid, Emil Erxleben, kitchen, Katharine Ridgeck, cook, Margaret Stone, cook, Harry W. Love, night nurse, Fred D. Aldrich, nurse, John Barclay, nurse, Alexander Beaton, nurse, John J. Bradley, nurse, Charles Cadette, nurse, Timothy Feeney, nurse, Arthur Frederick, nurse, Arthur Frederick, nurse, Summ. F. Gay, nurse, Axed Gustafson, nurse, John E. Greene, nurse, Axed Gustafson, nurse, John E. Greene, nurse, Axed Gustafson, nurse, Mm. F. Gay, nurse, Axed Gustafson, nurse, John Harkness, nurse, Willard E. Hawxhurst, nurse, Millard E. Hawxhurst, nurse, Matthew Hudson, nurse, Janes H. Joy, nurse, Le Treest Manning, nurse, Le Charles Mansfield, nurse, Milchael McCaffrey, nurse, Le Charles Mansfield, nurse, Milchael McCaffrey, nurse,			'n	•	•	•	•	_	4	$\frac{10}{26}$
Annie Canning, kitchen maid,				'n	•	•	•	2		$\frac{26}{26}$
Agnes Gotski, kitchen maid, 2 7 Nora O'Neill, kitchen maid, - 1 Victoria Ridgeck, kitchen maid, - 3 Mary Spelman, kitchen maid, 1 4 Anna Thomas, kitchen maid, 2 1 Emil Erxleben, kitchen, - 9 Katharine Ridgeck, cook, - 6 Margaret Stone, cook, - 1 Harry W. Love, night nurse, 8 11 Fred D. Aldrich, nurse, 12 11 John Barclay, nurse, - 5 Alexander Beaton, nurse, 7 4 John J. Bradley, nurse, 4 6 Charles Cadette, nurse, - 1 E. T. Campbell, nurse, - 10 Geo. M. Clark, nurse, - 8 Albert Claydon, nurse, - 4 Timothy Feeney, nurse, - 4 Synurse, - 2 Go. M. Gay, nurse, - 4 Synurse, - 4 Synurse, - 2 Go. Margaret Stone, cook, 1 Charles Grace, nurse, 4 Synurse, 10 Go. M. Clark, nurse, 4 Timothy Feeney, nurse, 4 Timothy Feeney, nurse, 4 Synurse, 4 Synurse, 4 Synurse, 4 Synurse, 4 Synurse, 4 Synurse, 1 Synury 1 Synurse, 1 Synury			1001	.11,	•	•	•	_	1 4	$\frac{26}{26}$
Nora O'Neill, kitchen maid, - 1 Victoria Ridgeck, kitchen maid, - 3 Mary Spelman, kitchen maid, 1 4 Anna Thomas, kitchen maid, 2 1 Emil Erxleben, kitchen, - 9 Katharine Ridgeck, cook, - 6 Margaret Stone, cook, - 1 Harry W. Love, night nurse, 8 11 Fred D. Aldrich, nurse, 8 11 Fred D. Aldrich, nurse, 12 11 John Barelay, nurse, - 5 Alexander Beaton, nurse, 7 4 John J. Bradley, nurse, 4 6 Charles Cadette, nurse, - 1 Charles Cadette, nurse, - 1 Geo. M. Clark, nurse, - 1 Geo. M. Clark, nurse, - 8 Albert Claydon, nurse, - 4 Timothy Feeney, nurse, - 4 Timothy Feeney, nurse, - 4 Wm. F. Gay, nurse, -	Armos Cotski kitchen maio	1	•	٠	•	•		2		18
Victoria Ridgeck, kitchen maid, — 3 Mary Spelman, kitchen maid, 1 4 Anna Thomas, kitchen maid, 2 1 Emil Erxleben, kitchen, — 9 Katharine Ridgeck, cook, — 6 Margaret Stone, cook, — 1 Harry W. Love, night nurse, 8 11 Fred D. Aldrich, nurse, 8 11 John Barclay, nurse, — 5 Alexander Beaton, nurse, — 5 Alexander Beaton, nurse, — 4 Charles Cadette, nurse, — 1 Charles Cadette, nurse, — 1 Charles Cadette, nurse, — 1 Geo. M. Clark, nurse, — 1 Geo. M. Clark, nurse, — 8 Albert Claydon, nurse, — 4 Timothy Feeney, nurse, — 4 Timothy Feeney, nurse, — 4 Wm. F. Gay, nurse, — 4 Eugene Grace, nurse, — 2 Axel Gustafson, nurse, — 2 <tr< td=""><td>None O'Noill kitchen maid</td><td>٠,</td><td>•</td><td>•</td><td>•</td><td>•</td><td></td><td>_</td><td></td><td>7</td></tr<>	None O'Noill kitchen maid	٠,	•	•	•	•		_		7
Mary Spelman, kitchen maid, 1 4 Anna Thomas, kitchen maid, 2 1 Emil Erxleben, kitchen, - 9 Katharine Ridgeck, cook, - 6 Margaret Stone, cook, - 1 Harry W. Love, night nurse, 8 11 Fred D. Aldrich, nurse, 12 11 John Barclay, nurse, - 5 Alexander Beaton, nurse, 7 4 John J. Bradley, nurse, 4 6 Charles Cadette, nurse, - 1 E. T. Campbell, nurse, - 10 Geo. M. Clark, nurse, - 8 Albert Claydon, nurse, - 4 Timothy Feeney, nurse, - 4 Timothy Feeney, nurse, - 4 Wm. F. Gay, nurse, - 4 Eugene Grace, nurse, - 4 John E. Greene, nurse, 2 6 Axel Gustafson, nurse, 2 6 John Harkness, nurse, 2 6 Willard E. Hawxhurst, nurse, 1 6	Vietoria Ridgook kitchen n	naid	•	•	•	•		_		$\frac{1}{2}$
Anna Thomas, kitchen maid, 2 1 Emil Erxleben, kitchen, - 9 Katharine Ridgeck, cook, - 6 Margaret Stone, cook, - 1 Harry W. Love, night nurse, - 12 John Barclay, nurse, - 5 Alexander Beaton, nurse, - 5 Alexander Beaton, nurse, - 7 John J. Bradley, nurse, - 7 John J. Bradley, nurse, - 10 Charles Cadette, nurse, - 10 Geo. M. Clark, nurse, - 10 Geo. M. Clark, nurse, - 4 Timothy Feeney, nurse, - 4 Timothy Feeney, nurse, - 3 Wm. F. Gay, nurse, - 3 Wm. F. Gay, nurse, - 2 Eugene Grace, nurse, - 4 John E. Greene, nurse, - 2 John Harkness, nurse, - 2 Kidlard E. Hawxhurst, nurse, - 16 Matthew Hudson, nurse, - 17 Robert Kinney, nurse, - 11 Robert Kinney, nurse, - 11 Robert Kinney, nurse, - 11 Richael McCaffrey, nurse, - 11 Michael McCaffrey, nurse, - 11 Michael McCaffrey, nurse, - 12 Richard McDoppell nurse, - 13 Richael McCaffrey, nurse, - 11 Richael McCaffrey, nurse			,	•	•	•	•	1		$2\overline{7}$
Emil Erxleben, kitchen, - 9 Katharine Ridgeck, cook, - 6 Margaret Stone, cook, - 1 Harry W. Love, night nurse, 8 11 Fred D. Aldrich, nurse, 12 11 John Barclay, nurse, - 5 Alexander Beaton, nurse, 7 4 John J. Bradley, nurse, 4 6 Charles Cadette, nurse, - 1 Charles Cadette, nurse, - 10 Geo. M. Clark, nurse, - 8 Albert Claydon, nurse, - 4 Timothy Feeney, nurse, - 4 Timothy Feeney, nurse, - 3 Wm. F. Gay, nurse, - 4 Eugene Grace, nurse, - 4 John E. Greene, nurse, 2 6 Axel Gustafson, nurse, 2 6 John Harkness, nurse, 2 6 Willard E. Hawxhurst, nurse, 1 6 Willard E. Hawxhurst, nurse, - 11 Robert Kinney, nurse, - 1 2 </td <td></td> <td></td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td></td> <td></td> <td>$\frac{27}{22}$</td>			•	•	•	•	•			$\frac{27}{22}$
Katharine Ridgeek, cook, - 6 Margaret Stone, cook, - 1 Harry W. Love, night nurse, 8 11 Fred D. Aldrich, nurse, 12 11 John Barclay, nurse, - 5 Alexander Beaton, nurse, 7 4 John J. Bradley, nurse, 4 6 Charles Cadette, nurse, - 1 Charles Cadette, nurse, - 1 Geo. M. Clark, nurse, - 10 Geo. M. Clark, nurse, - 8 Albert Claydon, nurse, - 4 Timothy Feeney, nurse, - 4 Timothy Feeney, nurse, - 4 Wm. F. Gay, nurse, - 4 Eugene Grace, nurse, - 4 John E. Greene, nurse, 2 6 Axel Gustafson, nurse, 2 6 Axel Gustafson, nurse, 2 6 Willard E. Hawxhurst, nurse, 1 6 Matthew Hudson, nurse, 1 6 James H. Joy, nurse, - 11 Ro		u,	•	•	•	•	•	4		24
Margaret Stone, cook, - 1 Harry W. Love, night nurse, 8 11 Fred D. Aldrich, nurse, 12 11 John Barclay, nurse, - 5 Alexander Beaton, nurse, 7 4 John J. Bradley, nurse, 4 6 Charles Cadette, nurse, - 1 E. T. Campbell, nurse, - 10 Geo. M. Clark, nurse, - 8 Albert Claydon, nurse, - 4 Timothy Feeney, nurse, - 4 Timothy Feeney, nurse, - 4 Timothy Feeney, nurse, - 4 Wm. F. Gay, nurse, - 4 Eugene Grace, nurse, - 4 John E. Greene, nurse, 2 6 Axel Gustafson, nurse, 2 6 Willard E. Hawxhurst, nurse, 1 6 Watthew Hudson, nurse, 1 6 James H. Joy, nurse, - 11 Robert Kinney, nurse, 1 2 Charles Mansfield, nurse, - 11 M	Emil Erxleben, kitchen,	•	•	•	•	•	•	_	_	$\frac{24}{22}$
Harry W. Love, night nurse, Fred D. Aldrich, nurse, John Barclay, nurse, Alexander Beaton, nurse, Alexander Beaton, nurse, To Alexander Beaton, nurse, Alexander Beaton, nurse, Alexander Beaton, nurse, To Alexander Beaton, nurse, Alexander Beaton, nurse, To Alexander Beaton, nurse, To Arthur Scadette, nurse, Albert Claydon, nurse, Timothy Feeney, nurse, Arthur Frederick, nurse, Timothy Feeney, nurse, Arthur Frederick, nurse, Timothy Feeney, nurse, Arthur Frederick, nurse, Timothy Feeney, nurse, Timothy Feeney, nurse, Arthur Frederick, nurse, Timothy Feeney, nurse, Timo	Katharine Ridgeck, cook,	•	•	•	•	•	•	_		
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John Barclay, nurse, - 5 Alexander Beaton, nurse, 7 4 John J. Bradley, nurse, 4 6 Charles Cadette, nurse, - 1 E. T. Campbell, nurse, - 10 Geo. M. Clark, nurse, - 8 Albert Claydon, nurse, - 4 Timothy Feeney, nurse, 1 - Arthur Frederick, nurse, - 3 Wm. F. Gay, nurse, 1 6 Eugene Grace, nurse, - 4 John E. Greene, nurse, 2 6 Axel Gustafson, nurse, 2 6 John Harkness, nurse, 2 6 Willard E. Hawxhurst, nurse, 1 6 Matthew Hudson, nurse, 1 6 James H. Joy, nurse, - 11 Robert Kinney, nurse, 1 2 Ernest Manning, nurse, 1 2 Charles Mansfield, nurse, - 11 Michael McCaffrey, nurse, 3 2 Richerd McDoppell, nurse, - 3		e,	•	٠	•	•	•			22
Alexander Beaton, nurse, 7 4 John J. Bradley, nurse, 4 6 Charles Cadette, nurse, - 1 E. T. Campbell, nurse, - 10 Geo. M. Clark, nurse, - 8 Albert Claydon, nurse, - 4 Timothy Feeney, nurse, 1 - Arthur Frederick, nurse, - 3 Wm. F. Gay, nurse, 1 6 Eugene Grace, nurse, 2 6 Axel Gustafson, nurse, 2 6 Axel Gustafson, nurse, 2 6 John Harkness, nurse, 2 6 Willard E. Hawxhurst, nurse, 1 6 Matthew Hudson, nurse, 1 6 James H. Joy, nurse, - 11 Robert Kinney, nurse, 1 2 Ernest Manning, nurse, 1 2 Charles Mansfield, nurse, - 11 Michael McCaffrey, nurse, 3 2 Richard McDonnell, nurse, - 3		•	•	٠	•	•	•	12		18
John J. Bradley, nurse, 4 6 Charles Cadette, nurse, - 1 E. T. Campbell, nurse, - 10 Geo. M. Clark, nurse, - 8 Albert Claydon, nurse, - 4 Timothy Feeney, nurse, 1 - Arthur Frederick, nurse, - 3 Wm. F. Gay, nurse, 1 6 Eugene Grace, nurse, - 4 John E. Greene, nurse, 2 6 Axel Gustafson, nurse, 2 6 John Harkness, nurse, 2 6 Willard E. Hawxhurst, nurse, 1 6 Matthew Hudson, nurse, 1 6 James H. Joy, nurse, - 11 Robert Kinney, nurse, 1 2 Ernest Manning, nurse, 1 2 Charles Mansfield, nurse, - 11 Michael McCaffrey, nurse, 3 2 Richard McDonnell, nurse, - 3 Richard McDonnell, nurse, - 3	John Barclay, nurse,	•	•	•	•	•		=		21
Charles Cadette, nurse, - 1 E. T. Campbell, nurse, - 10 Geo. M. Clark, nurse, - 8 Albert Claydon, nurse, - 4 Timothy Feeney, nurse, - 4 Timothy Feeney, nurse, - 3 Wm. F. Gay, nurse, - 3 Wm. F. Gay, nurse, - 4 John E. Greene, nurse, - 4 John E. Greene, nurse, 2 6 Axel Gustafson, nurse, 2 6 John Harkness, nurse, 2 6 Willard E. Hawxhurst, nurse, 1 6 Matthew Hudson, nurse, 1 6 James H. Joy, nurse, - 11 Robert Kinney, nurse, 1 2 Ernest Manning, nurse, 1 2 Charles Mansfield, nurse, - 11 Michael McCaffrey, nurse, - 11 Michael McCaffrey, nurse, - 3 Richard McDonnell, nurse - 3				٠	•		•	-	_	14
E. T. Campbell, nurse, Geo. M. Clark, nurse, Albert Claydon, nurse, Timothy Feeney, nurse, Arthur Frederick, nurse, Wm. F. Gay, nurse, Eugene Grace, nurse, John E. Greene, nurse, Axel Gustafson, nurse, John Harkness, nurse, Willard E. Hawxhurst, nurse, Matthew Hudson, nurse, James H. Joy, nurse, Tenest Manning, nurse, Ernest Manning, nurse, Charles Mansfield, nurse, Michael McCaffrey, nurse, Michael McCaffrey, nurse, Selbeard McDonnell, nurse, Selbeard Mc	John J. Bradley, nurse,		•					4		18
Geo. M. Clark, nurse, - 8 Albert Claydon, nurse, - 4 Timothy Feeney, nurse, 1 - Arthur Frederick, nurse, - 3 Wm. F. Gay, nurse, 1 6 Eugene Grace, nurse, - 4 John E. Greene, nurse, 2 6 Axel Gustafson, nurse, 2 6 John Harkness, nurse, 2 6 Willard E. Hawxhurst, nurse, 1 6 Matthew Hudson, nurse, 1 6 James H. Joy, nurse, - 11 Robert Kinney, nurse, 1 2 Ernest Manning, nurse, 1 2 Charles Mansfield, nurse, - 11 Michael McCaffrey, nurse, 3 2 Richard McDonnell, nurse - 3	Charles Cadette, nurse,		•	•			•	-		25
Timothy Feeney, nurse, 1 Arthur Frederick, nurse, - Wm. F. Gay, nurse, 1 Eugene Grace, nurse, - John E. Greene, nurse, 2 Axel Gustafson, nurse, 2 John Harkness, nurse, 2 Willard E. Hawxhurst, nurse, 1 Matthew Hudson, nurse, 1 James H. Joy, nurse, - Robert Kinney, nurse, 1 Ernest Manning, nurse, 1 Charles Mansfield, nurse, - Michael McCaffrey, nurse, 3 Richard McDonnell, nurse - 3 2	E. T. Campbell, nurse,							_	1	29
Timothy Feeney, nurse, 1 Arthur Frederick, nurse, - Wm. F. Gay, nurse, 1 Eugene Grace, nurse, - John E. Greene, nurse, 2 Axel Gustafson, nurse, 2 John Harkness, nurse, 2 Willard E. Hawxhurst, nurse, 1 Matthew Hudson, nurse, 1 James H. Joy, nurse, - Robert Kinney, nurse, 1 Ernest Manning, nurse, 1 Charles Mansfield, nurse, - Michael McCaffrey, nurse, 3 Richard McDonnell, nurse - 3 2	Geo. M. Clark, nurse, .							_		9
Timothy Feeney, nurse, 1 Arthur Frederick, nurse, - Wm. F. Gay, nurse, 1 Eugene Grace, nurse, - John E. Greene, nurse, 2 Axel Gustafson, nurse, 2 John Harkness, nurse, 2 Willard E. Hawxhurst, nurse, 1 Matthew Hudson, nurse, 1 James H. Joy, nurse, - Robert Kinney, nurse, 1 Ernest Manning, nurse, 1 Charles Mansfield, nurse, - Michael McCaffrey, nurse, 3 Richard McDonnell, nurse - 3 2	Albert Claydon, nurse,							_	4	9
Arthur Frederick, nurse, - 3 Wm. F. Gay, nurse, 1 6 Eugene Grace, nurse, - 4 John E. Greene, nurse, 2 6 Axel Gustafson, nurse, 2 6 John Harkness, nurse, 2 6 Willard E. Hawxhurst, nurse, 1 6 Matthew Hudson, nurse, 1 6 James H. Joy, nurse, - 11 Robert Kinney, nurse, 1 2 Ernest Manning, nurse, 1 2 Charles Mansfield, nurse, - 11 Michael McCaffrey, nurse, 3 2 Richard McDonnell, nurse - 3	Timothy Feeney, nurse,							1	-	4
Eugene Grace, nurse, - 4 John E. Greene, nurse, 2 6 Axel Gustafson, nurse, 2 6 John Harkness, nurse, 2 6 Willard E. Hawxhurst, nurse, 1 6 Matthew Hudson, nurse, 1 6 James H. Joy, nurse, - 11 Robert Kinney, nurse, 1 2 Ernest Manning, nurse, 1 2 Charles Mansfield, nurse, - 11 Michael McCaffrey, nurse, 3 2 Richard McDonnell, nurse - 3	Arthur Frederick, nurse,							-	3	_
Eugene Grace, nurse, - 4 John E. Greene, nurse, 2 6 Axel Gustafson, nurse, 2 6 John Harkness, nurse, 2 6 Willard E. Hawxhurst, nurse, 1 6 Matthew Hudson, nurse, 1 6 James H. Joy, nurse, - 11 Robert Kinney, nurse, 1 2 Ernest Manning, nurse, 1 2 Charles Mansfield, nurse, - 11 Michael McCaffrey, nurse, 3 2 Richard McDonnell, nurse - 3	Wm. F. Gay, nurse, .							1	6	30
Axel Gustafson, nurse, 2 6 John Harkness, nurse, 2 6 Willard E. Hawxhurst, nurse, 1 6 Matthew Hudson, nurse, 1 6 James H. Joy, nurse, - 11 Robert Kinney, nurse, 1 2 Ernest Manning, nurse, 1 2 Charles Mansfield, nurse, - 11 Michael McCaffrey, nurse, 3 2 Richard McDonnell, nurse - 3	Eugene Grace, nurse, .							-	4	19
Axel Gustafson, nurse, 2 6 John Harkness, nurse, 2 6 Willard E. Hawxhurst, nurse, 1 6 Matthew Hudson, nurse, 1 6 James H. Joy, nurse, - 11 Robert Kinney, nurse, 1 2 Ernest Manning, nurse, 1 2 Charles Mansfield, nurse, - 11 Michael McCaffrey, nurse, 3 2 Richard McDonnell, nurse - 3	John E. Greene, nurse,							2	6	2
John Harkness, nurse, 2 6 Willard E. Hawxhurst, nurse, 1 6 Matthew Hudson, nurse, 1 6 James H. Joy, nurse, - 11 Robert Kinney, nurse, 1 2 Ernest Manning, nurse, 1 2 Charles Mansfield, nurse, - 11 Michael McCaffrey, nurse, 3 2 Richard McDonnell nurse - 3								2	6	30
Willard E. Hawxhurst, nurse,								2	6	30
Matthew Hudson, nurse,		se.							6	22
James H. Joy, nurse, - 11 Robert Kinney, nurse, 1 2 Ernest Manning, nurse, 1 2 Charles Mansfield, nurse, - 11 Michael McCaffrey, nurse, 3 2 Richard McDonnell nurse - 3	Matthew Hudson, nurse.							1	6	17
Robert Kinney, nurse, Ernest Manning, nurse, Charles Mansfield, nurse, Michael McCaffrey, nurse, Bighard McDonnell nurse	James H. Joy nurse	•	•	· ·	·	·		_		4
Ernest Manning, nurse,	Robert Kinney nurse	•	•	·		·	·	1	1	20
Charles Mansfield, nurse,	Ernest Manning nurse	•	•	•	•	•	•			23
Michael McCaffrey, nurse,	Charles Manefield purse	•	•	•	•	•	•	_	_	23
Richard McDonnell nurse	Michael McCoffrey purse	•	•	•	•	•	•	3		13
Carl Nykuist, nurse,	Richard McDonnell nurse	•	•	•	•	•	•	_	3	23
Alfred Owen, nurse,	Corl Nylvigt purge	,	•	•	•	•	•	1		12
Charles Dagge nurge	Alfred Owen nurse, .	•	•	•	•	•	•			12
	Charles Page numes	•	•	•	•	•	•	6	6	6
Louis Rayno, nurse.	Louis Dorms	•	•	•	•	•	•	U		13
Louis Rayno, nurse,	Thomas Conort name.	•	•	•	•	•	•	1		21
	T Conith mart, nurse, .	•	•	•	•	•	•	1	0	$\frac{21}{23}$
			٠	•	٠	•	•		2	3
Moise Vallancourt, nurse,	moise valiancourt, nurse,	٠	•	٠	•	•	•	1	3	3

Names.						Years.	Months.	Days
Wm. A. Wood, nurse,						. 1	7	10
Harry A. Tyler, nurse,	•	•	•	•	•	1	1 1	12
Daniel Cilbert numes	•	•	•	•	•	_	-	18
Edward Brown, nurse, Walter Smith, nurse, E. A. Hall, nurse, Caroline Arthur, nurse, Clara Barclay, nurse, Mildred Beckwith, nurse, Goldie Bickford, nurse	•	•	•	•	•	_	-	18
Walter Smith nurse	•	•	•	•	•	-	_	18
E A Hall purso	•	•	•	•	•	-	_	8
Carolina Arthur nurso	•	•	•	•	•	-	2	26
Clara Baralay purgo	•	•	•	•	•	1		17
Mildred Real-with nurse	•	•	•	•	•	-	5	22
Mildred Beckwith, nurse, Goldie Bickford, nurse, Gladys M. Brass, nurse, Lulu C. Brass, nurse, Annie E. Brewer, nurse, Isabelle Byrnes, nurse, Janet Campbell, nurse, Emily E. Capen, nurse	٠	•	•	•	•	_	1 1	12
Glodyg M. Progg. nurge	•	•	•	•		4	$\frac{2}{2}$	
Lulu C. Progg	•	•	•			_	7	22
Amais E. D.	•	•	•		•	-	4	13
Anne E. Brewer, nurse, .	•	•	•			_	1	22
Isabelle Byrnes, nurse,					.	-	4	28
Janet Campbell, nurse, .					.	1	2	5
Emily E. Cupch, name,					.		11	5
Mary A. Casaw, nurse,					.	_	1	25
Reba Chappell, nurse,							3	7
Cecelia Crosby, nurse,					,	1	9	27
Elizabeth Cyr, nurse			·	•	.		$\overset{\circ}{2}$	20
Reba Chappell, nurse,	•	•	•	•	.		$\tilde{6}$	$\frac{12}{12}$
Alice Deslauriers, nurse.	•	•	•	•	•		9	29
Clarabelle Drew purse	•	•	•	•	.	_		_
Rose Duprey purse	•	•	•	•	•	$\frac{-}{4}$	$\begin{bmatrix} 2 \\ 7 \end{bmatrix}$	1
Rose Duprey, nurse,	٠	•	•	•	•	1	(5
		•	•	•	•	4	3	27
Emerencienne Francœur, nurse Ada F. Gay, nurse,	,	•	•	•	.	-	9	29
Hadra Goodell numae	•	•	٠	•	•	1	6	30
Ada F. Gay, nurse, Gladys Goodell, nurse, Flora W. Holmes, nurse.	٠	•	•	•	•	-	6	25
Flora W. Holmes, nurse,	•	•	٠		•	-	1	13
Edith Jago, nurse, Hanna Kelleher, nurse, Margaret Kelley, nurse, Bessie R. Kirwan, nurse, Lare L Lee purse	•	•	•	•	- 1	- 1	3	11
fama Kellener, nurse,	•	•	•		.	-	1	24
Margaret Kelley, nurse, .				•		4	1	23
gessie R. Kirwan, nurse, .						-	6	27
ora J. Lee, nurse,					.	-	3	27
Nora J. Lee, nurse, illian M. Love, nurse, Aarion Mackay, nurse,						7	8	5
Aarion Mackay, nurse, .					.	-	4	26
Effie Mahy, nurse, Tyrtis Miller, nurse,					.	8	4	24
Iyrtis Miller, nurse,					.	i	_ [$\overline{24}$
aura A. Millett, nurse, .						_	2	$\overline{17}$
aura A. Millett, nurse, [arguerite B. Neve, nurse,		Ċ	Ī	•	٠	_	2	14
uby Pendleton, nurse, .		Ċ	•	•	. [1	$\begin{array}{c c}2\\2\end{array}$	2
Iary Ethel Plunkett, nurse.	•	•	•	•	.		2	$1\overline{6}$
larguerite Riley purse	•	•	•	•		_	$\begin{bmatrix} 2\\3 \end{bmatrix}$	12
ennie Ryan nurse	•	•	•	•	•	4	9	5
ouise Schofield purse	•	•	•	•	•	4	6	
Luby Pendleton, nurse, Lary Ethel Plunkett, nurse, Larguerite Riley, nurse, Larguerite Riley, nurse, Lanie Ryan, nurse, Label Tacy, nurse, Label Tacy, nurse,	•	•	•	•			7 2 8	5
label Tacy, nurse, lizabeth F. Ward, nurse,	•	•	•	•	•	3	8	16
Sabel R Watson numes	•	•	•	•	•	-	$\frac{2}{2}$	19
eto Weigenbeek nurge	•	•	•	٠	•	-	7	23
Sabel Wood, nurse, abel Wood,		•	•		•	_	11	_
abel Wood, nurse,		•				5	1	18
HZADELD Krammerer nurce								$26\frac{1}{2}$

Names.						Years.	Months.	Days.
Christine W. Brown, nurse,						_	_	20
Florrie Horton, nurse,		•	•	•	•	_	_	$\frac{24}{24}$
Victoria Krusieurcz, nurse, .		·	·		·	_	_	$\overline{13}$
Bessie Tyler, nurse.		·				_	_	10
Bessie Tyler, nurse, Thomas P. Clair, plumber, .	Ċ			·		14	7	_
Thomas P. Clair, plumber, . Albert DeGrandpre, carpenter, Wm. LaSalle, carpenter, Arthur W. Lee, painter,						7	10	_
Wm. LaSalle, carpenter						1	10	2
Arthur W. Lee, painter						1	6	10
Henry Maynard, carpenter,					i	4	5	22
Roscoe Tobin, plumber.						10	_	28
W. M. Tower, carpenter, Benjamin Wood, painter, Orrin Blodgett, farmer, H. Biscol, farmer,						34	10	_
Benjamin Wood, painter						_	11	_
Orrin Blodgett, farmer.						6	4	8
H. Biscol, farmer.						_	7	24
James Denny, farmer,						4	1	24
Xavier Dion, farmer,						19	5	16
Henry Drozdial, farmer						1	8	8
Henry Drozdial, farmer. Jake Drozdial, farmer, Michael Drozdial, farmer,						1	8	8
Michael Drozdial, farmer, .						3	7	10
Thomas Drozdial, farmer, .						8	_	_
Charles Dumont, farmer, .						_	10	27
Frank Hurd, farmer			_	_		3	5	10
Fred Kempker, farmer.						1	7	_
Nicholas Kraznyak, gardener.	i			-		$\bar{4}$	$ \dot{2} $	3
John Koskey, farmer	·		·			$\tilde{1}$	$\overline{6}$	5
Fred Kempker, farmer, Nicholas Kraznyak, gardener, John Koskey, farmer, Frank Lesko, farmer,				•		- Î	~	11
Carl McKinney, farmer.					-	_	11	19
Carl McKinney, farmer, David Mercier, coachman,	·	·	·	·	•	35	9	$\tilde{13}$
Charles Nutting, farmer, .		·	•	•	· ·	$\overset{\circ}{2}$	$ $ $\tilde{2}$	19
Frank Sanborn, farmer.		·	·	·	•	$\bar{5}$	$\bar{6}$	$\tilde{22}$
Frank Sanborn, farmer, Fred Smith, farmer, Mike Smith, farmer, Steve Stepno, farmer,						ĭ	8	10
Mike Smith, farmer.						_	4	$\frac{10}{27}$
Steve Stepno, farmer.						2	$\begin{bmatrix} 4 \\ 6 \end{bmatrix}$	7
Walter Streeter, herdsman.						$\bar{9}$	$\ddot{3}$	i
Walter Streeter, herdsman, Edgar O. Stiles, farmer,						_	$\begin{vmatrix} & 0 & 1 \\ 2 & 1 \end{vmatrix}$	$2\overline{7}$
	·	•	•	•	•		_	

FARM PRODUCTS.

Apples, 246 barrels, .					\$615	00
Asparagus, 113½ boxes,	•	•			456	00
Beans, shell, 16 bushels,					22	40
Beans, string, 170 bushels,		•			153	00
Beans, lima, improved, 1031	∕2 bı	ıshels,			181	13
Beef, cow, 8,541 pounds,					683	28
Beef, steer, 35,758 pounds,				•	3,933	38
Beets, 302 bushels, .					` 241	60
Beet greens, 198 bushels,					79	20
Broilers, 765½ pounds,		•			191	43
Broom brush, and seed, 5,20	00 p	ounds,			416	00
Brussel sprouts, 544 quarts,					59	84
Cabbage, 39 tons, .					975	00
Carrots, 339 bushels, .					254	24
Cauliflower, 48 boxes, .					60	00
Celery, 500 boxes, .					450	00
Chard, 44 bushels, .					17	20
Cherries, 361 quarts, .					43	32
Chickens, 920 pounds, .					211	60
Cider, 419 gallons, .					50	28
Citron, 2,100 pounds, .					21	00
Cord wood, 40 cords, .					200	00
Corn, green, 936 bushels,				•	702	00
Corn, pop, 105 bushels,					147	00
Cucumbers, 312 boxes, .					234	00
Cucumbers, greenhouse, 23	doze	n,			13	80
Cucumber pickles, 108 peck	cs,	•			32	40
Currants, 200 quarts, .					20	00
Eggs, 1,716 dozen, .		•			549	12
Fodder, ensilage, 500 tons,				•	2,000	00
Amount carried forwar	d,		•		\$13,013	22

Amount brought forward,		•	•	\$13,013	22
Fodder, alfalfa, 20 tons, .				100	00
Fodder, corn, green, 109 tons,				436	00
Fodder, corn, dry, 5 tons, .	•			40	00
Fowl, 909 pounds,				154	53
Gooseberries, 165 quarts, .				16	50
Grapes, 900 pounds,			•	36	00
Hay, 458 tons,				9,586	00
Ice, 880 tons,	•			2,640	00
Lettuce, 470 boxes,				211	50
Lumber, 1,900 feet,	•			41	80
Mangel-wurzel, 689 bushels, .				103	35
Milk, 270,072 quarts,		•	•	21,605	76
Muskmelons, 425 crates, .			•	637	50
Mint, 10 bushels,	•			10	00
Onions, 510 bushels,				204	00
Parsley, 10 bushels,				4	00
Parsnips, 194 bushels,				145	50
Peas, green, 89 bushels, .				53	40
Peppers, 10 bushels,				6	00
Pigs, roast, 1,				2	00
Plums, 208 baskets,				51	40
Potatoes, 1,885 bushels, .				1,319	50
Pork, 35,764 pounds,				4,291	68
Pumpkins, 3,250 pounds, .				65	00
Radishes, 571 dozen bunches,				171	50
Raspberries, 65 quarts, .				9	75
Rhubarb, 9,788 pounds, .		•	•	195	76
Squash, winter, 53 tons, .				1,325	00
Squash, summer, 25 barrels,				21	25
Scallions, 8 bushels,				3	20
Spinach, 181 bushels,				63	35
Strawberries, 995 quarts, .				99	50
Tomatoes, ripe, 649 bushels, .				649	00
Tomatoes, green, 30 bushels, .			•	22	50
Tomatoes, greenhouse, 41 dozen,	•			16	40
Amount carried forward,	•			\$57,351	85

32	NOI	RTF	IAM	PTO	N S	STAT	E I	HOS	PITA	L.	[D	ec.
Amount	bro	ught	foru	ard,				\$5	7,351	85		
Turnips, 313	3 bar	rels,							313	00		
Veal, 527 p	ounds	5,							63	24		
Watermelons	s, 15,	795	poun	ds,					70	00		
Total,			•								\$57,798	09
	,											
Sales: —	,											
Cows and ca	alves,								\$178	50		
Hides, .									449	30		
Pigs, .									5	00		
Sundries,									130	91		
Total,											763	71
ŕ												
Total fa	arm j	prod	uct,			•			•	•	\$58,561	80
Live stock	belo	ngin	g to f	the ho	spita	al:—						
Bulls, 4,		•			•			•			\$600	00
Calves, 13,						•					325	00
Cows, 84,											7,140	00
Fowls, 691,											691	00
Heifers, 27,											1,350	00
Hogs, 182,						•		•			3,336	00

3,100 00

2,400 00

. \$18,942 00

Horses, 14,

Oxen, 16,

Total, .

VALUATION.

REAL ESTATE.

	ILEAU I		e.				
Grounds and building sites,	23 acre	s,		\$4,861	20		
	•		• .	19,655			
Mowing, 110 acres,	•			23,248	50		
				39,099	7 5		
Tillage, 100 acres,				21,135	00		
Hospital building,	•			616,619	00		
Farmhouse,	•	•		1,500	00		
Brick house,	•	•		1,700	00		
Three dwellings,				5,500	00		
Cold storage,				30,000	00		
Two barns,	•			5,500	00		
Cow stable,				13,000	00		
Horse stable,				6,000	00		
Lumber shed,				850	00		
Piggery,				3,000	00		
Cart shed,				400	00		
Pump house,				400	00		
Paint house,				2,039	00		
Laundry (new),				29,076	00		
Cook house and barn,				2,500	00		
Bradley house,				800	00		
Burnett house,				1,200	00		
Total real estate,						\$828,084	00
						·	
Pi	ERSONAL	Est	ATE.				
Food,				\$8,124	45		
Clothing and clothing mater	ial, .			2,467	32		
Furnishings,				40,455	20		
Heat, light and power, .				85,265	00		
Repairs and improvements,				4,469	72		
Farm, stable and grounds, .				43,558	92		
Miscellaneous,				2,562	39		
Unexpended balance of main	tenance	appr	0-				
priation,				14,556	68		
			_				
Amounts carried forward	rd, .		•	\$201,459	68	\$828,084	00

Amounts brought	for	ward	!, .		•	\$201,459	68	\$828,084	00
Unexpended balance	of sp	ecia	l app	ropr	ia-				
tion,			•			12,086	26		
Accounts receivable,						11,971	18		
Cash on hand: —									
Office,						992	48		
Bank,						883	86		
Patients' money, .						1,920	09		
						729			
Total personal es								230,043	39
•	,								
							,	\$1,058,127	39
	I	rcco.	UNTS	Pay	ABLE.				
Maintenance, .								\$13,695	80
Trust funds: —									
Patients' money,						\$1,920	09		
Endowments,						729	84	•	
,								2,649	93
Excess of resources or	ver l	iabil	ities.					1,041,781	
			,						
							,	\$1,058,127	39
	$\mathbf{S}\mathbf{I}$	ATEI	MENT	OF]	FUND	S.			
		Pat	tients'	Fur	ds.				
On hand, Nov. 30, 193	11,					\$1,781	98		
Receipts,						1,883	12		
• /						<u> </u>		\$3,665	10
Refunded,								1,745	
i i	•	•	·	•	•				
Balance on hand	Nov.	30,	1912,					\$1,920	09
		red	B. Ke	elly 1	Fund.				
Balance, Nov. 30, 1913	1,							\$703	24
Income,								26	60
Balance on hand	Nov.	30,	1912,					\$729	84

TREASURER'S REPORT.

To the Trustees of the Northampton State Hospital.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1912:—

	CAS	вн Ассот	INT.			
Balance Dec. 1, 1911,	•		•		•	\$1,721 32
		_				
		Receipts.				
Institution Receipts.						
Board of inmates: —						
Private,		\$35,78	3 7 98			
Reimbursements, insane,	•	14,68	88 82	050 450	00	
Sales: —				\$50,476	80	
- 1		Q1 1	11 91			
Food,	•	_	54 54			
Miscellaneous,	•		37 09			
Farm, stable and grounds:—	•	10	00			
Cows and calves, .		17	78 50			
Pigs and hogs,	•		5 00			
Hides	•	44	19 30			
Sundries,	·		80 91			
·- ·- · · · · · · · · · · · · · · · · ·	•			1,317	25	
Miscellaneous receipts: —				Í		
Interest on bank balances,		\$12	26 57			
Sundries,		3	32 57			
				159	14	
						51,953 19
Receipts from Treasury of	Com	monwealt	h.			
Maintenance appropriations: -						
Balance of 1911,				\$9,618	24	
Advance money (amount o	n ha	nd Nove	mber	,		
30),				5,000	00	
Approved schedules of 1912.		\$168,96	8 32			
Less returned,		2	5 00			
				168,943	32	
						183,561 56
Industries fund, approved schedu	ıles,					29,122 81
Total,						\$266,358 88

Payments.

To treasury of Commonwealth, i	nstitı	ition	receip	ts,		\$51,953	19
Maintenance appropriations: —	101				#11 220 FF		
Balance November schedule			•	•	\$11,339 56		
Eleven months schedules, 19			•	•	168,943 32		
November advances, .	•	•	•	•	2,505 66	182,788	54
Special appropriations: —						102,100	o x
Less advances, last year's re		•	•	•	\$29,122 81		
November advances, .	•	•	•	•	618 00	29,740	Q1
Balance, Nov. 30, 1912: —						20,740	01
					\$883 86		
·	•	•	•	•	992 48		
In office,	•	•	•	•	992 40	1 076	94
						1,876	34
Total,						\$266,358	88
· · · · · · · · · · · · · · · · · · ·							
Appropriation,	MA	INTE	NANCE	•	•	@100 E00	00
	•	•	•	•		\$183,500	
Expenses (as analyzed below),	•	•	•	•		182,639	12
Balance reverting to treasur	y of	Com	monwe	alth,		\$860	88
4	7						
Salaries, wages and labor: —	naiys	is oj	Exper	ises.			
General administration,					\$18,326 48		
Medical service,	•	•	•	•	7,690 28		
Ward service (male), .	•	•	•	•	13,081 39		
	•	٠	•	•	14,502 01		
			•	•	5,998 95		
Repairs and improvements, Farm, stable and grounds,		•	•	•	9,431 75		
raim, stable and grounds,	•	٠	•	•	9,431 75	\$69,030	86
Food: —						,	
Butter,				_	\$11,450 45		
Butterine,					192 54		
Beans,			·		409 64		
Bread and crackers, .	•	•	·	Ċ	1,028 88		
Cereals, rice, meal, etc.,	:	:	·	•	1,352 93		
Cheese,	:	•	•	•	351 07		
Eggs,	•	•	•	•	7,559 41		
Flour,	•	•	•	·	5,150 99		
Fish,	•		•	•	2,522 15		
Fruit (dried and fresh),	•	•	•	•	2,902 15		
		•	•	•	9,986 66		
	•	•	•	•	589 21		
	•	•	•	•	4,287 31		
Sugar,	•	•	•	•	· ·		
Tea, coffee, broma and coco	a,	•	•	•	2,134 65		
Vegetables,	•	•	•	•	2,320 81		
Sundries,	•	•	•	•	2,956 09	55,194	94
Amount carried forward,						\$124,225	80
· ·							

Amount brought forward,		•				\$124,225	80
Clothing and materials: -							
Boots, shoes and rubbers,					\$825 95		
Clothing,	• •	-	•	• •	1,297 45		
Dry goods for clothing and	d small	war	es.	·	1,283 31		
Furnishing goods,	Q 0211011			·	351 09		
Hats and caps	•	•	•	•	58 25		
Leather and shoe findings,	•	•	•	•	98 30		
Sundries,		•	•	•	35 83		
Sundities,	•	•	•	•		3,950	18
Furnishings: —							
Beds, bedding, table linen,	etc				\$2,291 27		
Brushes, brooms, .					111 36		
Carpets, rugs, etc.,					799 65		
Crockery, glassware, cutle			-	•	539 86		
Furniture and upholstery,				•	468 80		
			•	•	159 14		
Kitchen furnishings, .		•	•	. •			
Sundries,	•	•	•	•	205 01	4,575	ΔΩ
Heat, light and power: —						4,010	Uð
					\$7,498 11		
Freight on coal,	•		•	•	2,669 94		
	•	•	•	•	72 56		
Wood,	•		•	•			
Electricity,	•	•	•	•	51 60	•	
Gas,	•	•	•	•	73 04		
Oil,		•	•		132 96		
Sundries,	•		•	•	183 10		
						10,681	31
Repairs and improvements: —					0.40.00		
Cement, lime and plaster,		•		•	\$46 80		
Doors, sashes, etc., .			•	•	44 10		
Electrical work and suppli	ies,				956 4 3		
Hardware,					1,170 50		
Lumber,					2,127 24		
Machinery, etc., .					753 94		
Paints, oil, glass, etc., .					2,426 65		
Plumbing, steam fitting at		olies	•	•	1,198 69		
Roofing and materials,				•	300 86		
	•	•	•	•			
Sundries,	•	•	•	•	1,270 51	10,295	79
Farm, stable and grounds: -						10,200	• 2
Blacksmith and supplies,					\$426 35		
Carriages, wagons, etc., ar				•			
9 , 9 ,	_		•	•	259 38		
Fertilizers, vines, seeds, et			•	٠	2,159 32		
Hay, grain, etc.,		•	•		10,600 59		
Harnesses and repairs,					165 38		
Horses,	•			٠	950 00		
Cows,					200 00		
Other live stock,					1,729 00		
Rent,					170 00		
Tools, farm machines, etc.	., .				546 32		
Sundries,					497 02		
	•	•	•	•		17,703	36
Amount carried forward,	٠	٠	٠	•		\$171,431	46

$Amount\ brought\ forward,$	•	•	•	•	•	•	•	\$171,431	46
Miscellaneous: —									
Books, periodicals, etc.,						\$292	63		
Entertainments,						563	50		
Freight, expressage and tra	nspo	rtatio	n, .			119	93		
Funeral expenses, .						41	10		
Religious services, .						260	00		
Medicines and hospital sup	plies	s, .				667	70		
Medical attendance, nurses	, etc	. (extr	a),			1,515	90		
Postage,						322	58		
Printing and printing suppl	ies,					181	18		
Printing annual report,						172	86		
Return of runaways, .						50	36		
Soap and laundry supplies,						1,354	88		
Stationery and office suppli						290			
Travel and expenses (officia				•		729			
Telephone and telegraph,				·		158	-		
Tobacco,	•	•	•	•		44			
Water,	•	•	•	•		3,804			
Sundries	•	•	•	•		638			
Sundities,	•	•	•	•		000	10	11.00	
								11,207	66
Total expenses for mai	$_{ m nten}$	ance,	•					\$182,639	12
						٠	•	\$182,639	12
Spe			ROPRIA	ATIONS		٠	•		
Spe Balance Dec. 1, 1911, .	CCIAI	APPI						\$41,209	07
Spe	CCIAI	APPI				:			07
Spe Balance Dec. 1, 1911, .	CCIAI	APPI				:		\$41,209	07 81
Spe Balance Dec. 1, 1911, . Expended during the year (see s Balance Nov. 30, 1912,	cciai state	Approximent	annexo	ed),		:		\$41,209 29,122	07 81
Spe Balance Dec. 1, 1911, . Expended during the year (see s Balance Nov. 30, 1912,	cciai state	APPI	annexe			:		\$41,209 29,122	07 81
Spr Balance Dec. 1, 1911, Expended during the year (see s Balance Nov. 30, 1912, RESO	cciai state	Approximent	annexe	ed),				\$41,209 29,122	07 81
Spended during the year (see supended during the year (see supende	cciai state	APPI ment :	annexo	ed), BILITIE				\$41,209 29,122	07 81
Spended during the year (see some seed of the seed of	cciai state	APPI ment :	annexo	ed), BILITIE				\$41,209 29,122	07 81
Spendence Dec. 1, 1911, Expended during the year (see some see some se	tate	ES AND Resour	annexo	. ed), . BILITIE		\$1,876		\$41,209 29,122	07 81
Spended during the year (see some seed of the seed of	tate	ES AND Resour	annexo	. ed), . BILITIE				\$41,209 29,122	07 81
Spendence Dec. 1, 1911, Expended during the year (see some see some se	tate	ES AND Resour	annexo	. ed), . BILITIE			66	\$41,209 29,122	07 81
Spendence Dec. 1, 1911, Expended during the year (see some see some se	URC.	ES AND Resour	annexo	. ed), . BILITIE		3,123	66	\$41,209 29,122	07 81 26
Spendence Dec. 1, 1911, Expended during the year (see some see some se	state	ES AND Resources from	annexo	. ed), . BILITIE		3,123	66	\$41,209 29,122 \$12,086	07 81 26
Spendence Dec. 1, 1911, Expended during the year (see some see some se	state	ES AND Resour	annexo	. ed), . BILITIE		3,123	66	\$41,209 29,122 \$12,086	07 81 26

PER CAPITA.

During the year the average number of inmates has been 892.07. Total cost for maintenance, \$182,639.12. Equal to a weekly per capita cost of \$3.91. Receipts from sales, \$1,317.25. Equal to a weekly per capita of \$0.028. All other institution receipts, \$50,635.94. Equal to a weekly per capita of \$1.08.

Expenditures, .

Balance, Nov. 30, 1912,

39

\$300

\$300

Special Appropriations.

Овлвст.	Act or Resolve.	Whole Amount.	Expended during Fiscal Year.	Expended to Date.	Balance at End of Year.
Addition to and improvements in bakery, .	. Acts 1911, chap. 156,	\$6,500 00	\$6,500 00 \$5,687 44	\$5,762 44	\$737 56
New laundry building and equipment of same,	. Acts 1911, chap. 156, 40,425 00 23,435 37	40,425 00	23,435 37	29,076 30	11,348 70
		\$46,925 00	\$46 ,925 00 \$29 ,122 81 \$34 ,838 74 \$12 ,086 26	\$34,838 74	\$12,086 26

Respectfully submitted,

LEWIS F. BABBITT, Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

Assistant Supervisor of Accounts.

WARREN A. MERRILL,

STATISTICAL TABLES.

[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]



1. — General Statistics for the Year.

Totals.	8998 8908 8908 81 81 132 10 10 10 132 132 132 132 132 132 132 132 132 132
Females.	44.9 44.3 1.75 - 1 1.75 - 1 1.34 - 1 1.25 - 1 2.24 - 2.24 2.26 - 2.26 2.26 - 2.26 2.27 - 2
Males.	447 447 447 192 192 192 193 193 193 194 194 194 194 194 194 194 194 194 194
Totals.	00
Females.	
Males.	
Totals.	1
Females.	
Males,	11111011101010111110000011011011111
Totals.	8 18 1 1 1 1 1 1 1 1
Females.	ω
Males.	וווויטוומוווווווים אווויים וווווווים ווווווווים וווווווווו
Totals.	888 888 888 888 888 888 828 111 111 111
Females.	444 1386 1818 1818 1818 1818 1818 1818 1818
Males.	444 444 474 1022 1022 1032 1033 1033 1033 1033 1033
· · · · · · · · · · · · · · · · · · ·	
	nt,
	Oct. 1, 1911, itted, nitment, nitment, ion, ion, ior discharge, within the year ear, edt, ed, i.1,
	Oot. 1, 1911, sar, nitment, ion, ion, ion discharge, within the y- self-support, ed, i.1,
	al Oot. intred, coar, mitmen intron, itton, itton, itton di year, swithi year, swithi er 1,
	is hospitation of the common o
	ients in the hospital iz: regularly commit cenergency, conduntary, temporary care, inited within the ye iz: by regular comm columary. viz: by regular comm yiz: observati columary, viz: observati by transfer, from visit, from visit, from visit, from visit, in missons from escape, ominal admissions from seape, as more care, as recovered, as not inance, as an of inance, died, cescaped, died, cescaped, died, con visit October on visit October
	s in the emergen woluntal regularly the property of the proper
	Patients in the hospital Oo Viz.: regularly committee energency, voluntary,, voluntary,, voluntary,, voluntary, voluntary, voluntary,, temporary care, viz.: observation, others, i. trom visit,, from visit, of cases with, as no finance,, as not improved, as in proved, as not improved, as not improved,, escaped,, esc
	Females. Totals. Females. Totals. Males. Totals. Totals. Totals. Males.

1. — General Statistics for the Year — Concluded.

		INBANE	ei ei	No	Nor Insane, Voluntary.	NE, RY.	TEM	TEMPORARY CARE.	×	INE	INEBRIATES.	,,	AGGREOATES.	OATE	.
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totala.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients remaining Sept. 30, 1912, Viz.: regularly committed, voluntary. voluntary. temporary care, supported as State patients, as reimbursing patients, as private patients, Number of different persons admitted, Number of different persons appaired to the community, Number of different persons capable of self-support, Daily average number of patients, reimbursing patients, reimbursing patients, private patients, private patients, Nuble number of emergency admissions, Whole number of voluntary admissions, Whole number of voluntary patients, Whole number of voluntary patients, Whole number of veluntary patients, Whole number of veluntary patients, Whole number of veluntary patients,	454 452 453 453 453 454 464 106 464 106 106 464 107 108 108 108 108 108 108 108 108 108 108	4414 4415 4416 4417	454 416 870 452 414 866 2 2 2 4 4 368 292 660 438 74 1128 203 145 348 203 145 348 203 145 348 203 145 348 204 1238 205 145 348 207 122 78 17 204 130 898 207 78 17 122 78 208 188 686.04 207 78 17 122 78 208 188 686.04 208 286.04 208 286.04	1 1 1	1.0023 1.0023 1.0023	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	111111188888881100.	11111111111111111111111	1 1 1 1 1 1 1 1 1 1		1.1.1 1.1.0 1.0	11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	454 452 452 368 368 43 43 43 657 507 112 112 112 113 1152 44.00 100 100 100 100 100 100 100 100 100	118 - 3 3 3 3 3 3 3 3 5 5 5 5 6 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8	872 867 662 662 663 361 361 361 386 388 309 388 309 58 887 117 688 50 688 50 688 68 122 68 63 63 63 63 63 63 63 63 63 63 63 63 63

2. — Insane received on First and Subsequent Commitments.

							C.	ASES COMMITTE	ED.
NUMBER OF	COM	AIT	'MEN	TS.			Males.	Females.	Totals.
Fourth to this hospital,		:	:	:			173 17 4 3 - 1	118 9 3 2 2 1	291 26 7 5 2 1 1
Total cases, Total persons, Never before in any hospit	al for	ins	ane,	:	:	:	199 199 162	135 134 109	334 333 271

3. — Nativity and Parentage of Insane Persons first admitted to Any Hospital.

				MALES		F	EMALE	s.	7	COTALS	
PLACES OF	NATIVI	TY.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.
Massachusetts, Other New Englan Other States,	d States,	: :	62 16 14	31 14 10	30 14 10	34 15 15	21 7 11	16 10 13	96 31 29	52 21 21	46 24 23
Total native,			92	55	54	64	39	39	156	94	93
Other countries: Austria, Canada, China, England, France, Germany, Greece, Hungary, Ireland, Italy, Poland, Russia, Scotland, Sweden, Switzerland,			11 12 1 4 -6 1 17 3 1 6 3 3 3	12 21 1 6 -7 1 1 41 3 2 4 4 2 3 1	12 18 1 5 6 1 1 43 3 2 4 5 4	24 -51 14 -11 153 22 44 12	29 -61 7 -1 24 33 22 -	2 10 - 8 1 7 - 1 21 3 3 3 2 2	13 16 1 9 1 10 1 2 32 6 3 10 4 5	14 30 1 12 1 14 1 2 65 6 5 7 4 5	14 28 1 13 1 13 1 2 64 6 5 7 7
Total foreign, Unknown, .	: :	: :	70	105	106 2	44	63 7	63 7	114 1	168 9	169 9
Totals, .			162	162	162	109	109	109	271	271	271

4. — Residence of Insane Persons admitted from the Community.

			1	r admir o Any ospita			L OTH		,	OTALS	
			Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Hampshire County,		•	26	19	45	6	3	9	32	22	54
Hampden County, .			81	49	130	15	14	29	96	63	159
Franklin County, .			23	13	36	4	4	8	27	17	44
Berkshire County, .			30	27	57	11	4	15	41	31	72
Barnstable County,			1	-	1	-	-	-	1	-	1
Norfolk County, .			-	-	-	1	-	1	1	-	1
Worcester County, .			1	٠ 1	2	-	-	,_	1	1	2
Totals,			162	109	271	37	25	62	199	134	333
Unknown,		٠.	-	-	-	-	-	-	-	-	-
Totals,			162	109	271	37	25	62	199	134	333
Cities and towns, .			127	79	206	30	22	52	157	101	258
Country districts, .			35	30	65	7	3	10	42	33	75
Totals,	٠		162	109	271	37	25	62	199	134	333

5. — Civil Condition of Insane Persons first admitted to Any Hospital.

						Males.	Females.	Totals.	
Unmarried,						69	38	107	-
Married, .					.	70	49	119	
Widowed,						21	20	41	
Divorced,						2	2	. 4	
Unknown,						-	-	-	
Totals,					.	162	109	271	_

6. — Occupation of Insane Persons first admitted to Any Hospital.

Armorers, Baker, Barber, Bartenders, Blacksmith, Bookbinder, Bookkeepers,	•										
Baker, Barber, Bartenders, Blacksmith, Bookbinder,	• •				2	Machinists,					
Bartenders, Blacksmith, Bookbinder,					1	Manufacturer,					
Bartenders, Blacksmith, Bookbinder,					1	Meat cutter,					
Bookbinder,					2	Mechanics,					
					1	Operatives,					3
Bookkeepers.				. '	1	Painters, .					_
					2	Paper hanger,					
Beer bottlers.					$ar{2}$	Physician,					
Box maker,					1	Piano maker,					
Brick mason,					1	Plumber, .					
Broom maker,					1	Postal clerk,					
Butcher, .					1	Priest, .					
Canvasser,					1	Printer, .					
Carpenters,					5	Railroad engine	er,				
Clerks, .					2	Real estate deal	er,				
Contractors,					2	Shoe makers,					
Draughtsman,					1	Stationery engir	neers,				
Oruggists,					2	Steward, .					
llevator boy,					1	Stone masons,					
armers, .					9	Tailor, .					
'arm laborers, .					11	Teamsters,	•		•	•	
oundryman,				•	1	Waiter, .					
Iatter, ce dealer, .					1	Watchmen,					
ce dealer, .					1	Whip maker,					
ron molders, .					2	Wood chopper,					
${ m anitors}, . \qquad .$					2	Wood turner,					
aborers,					23	No occupation,					1
aundryman, .	,				1						
liveryman, .					1	Total,					16
Bookkeeper, Clerk, Domestics, Housework, Music teacher, Operatives, Secretary,	•	:	:	:	FEMA 1 1 11 24 1 13 1	Stenographer, Students, Teachers, Telephone girl, No occupation, Total,	:		:	:	6
					1	Operative,			•		
Agent,		•	•	•		Dointor					
Blacksmith,	•	:	:	·	1 3	Painter, .	•	•	•	٠	
Blacksmith, Carpenter,		:	:		3	Physician,	:	:	:	:	
Blacksmith, Carpenter, Clergyman,		:	:		$\frac{3}{1}$	Physician, Plumber, .	:	:	:	:	
Blacksmith, Carpenter, Clergyman, Carmer,	•	:	:		${}^3_1\\ {}^4$	Physician, Plumber, . Steamfitter,	:	:	:	:	
Blacksmith, Carpenter, Clergyman, Carmer, Farm laborer,	•		:		$\begin{array}{c} 3 \\ 1 \\ 4 \\ 3 \end{array}$	Physician, Plumber, Steamfitter, Tailor.	:		:		
Blacksmith, Carpenter, Clergyman, Carmer, Carm laborer, Laborer,	•				$\begin{array}{c} 3 \\ 1 \\ 4 \\ 3 \\ 12 \end{array}$	Physician, Plumber, . Steamfitter,	:				
Agent, Blacksmith, Barpenter, Clergyman, Farmer, Farm laborer, aborer, eather worker, Machinist,	•		:		$\begin{array}{c} 3 \\ 1 \\ 4 \\ 3 \end{array}$	Physician, Plumber, Steamfitter, Tailor.	:				

7. — Ages of Insane at First Attack, Admission and Death.

		FIRST A	FIRST ADMITTED TO ANY HOSPITAL	ANY Hos	PITAL.				DIED.			
		AT FIRST ATTACK	CK.	WH	WHEN ADMITTED.	ED.	AT	AT FIRST ATTACK.	CK.	T TA	AT TIME OF DEATH.	TH.
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,		18 12 12 10 10 11 11 11 11	36 1 1 20 19 24 30 38 31 29 11 11	12 12 14 23 30 22 22 16 9	111111222323223244	113 255 255 355 34 34 118	6 11 10 133 133 7	1110010099400	7 1 2 3 3 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 88 13	11110000000004	111 110 113 123 123 124 174 175 175 175 175 175 175 175 175 175 175
Total,	. 161	106	267 2 2	162	109	271	61	30	91	61	32	86 - 1
Totals,	. 162	109	271	162	109	271	61 53.16	32	93	61 64	32 60.18	93 62.09
	-	-										

8. — Probable Causes of Mental Disease in Persons first admitted to Any Hospital.

	DENCY.	Totale.	∞ 1 ∞ 1 1 1 1 1 1 1 1 1 1 1 1 1 1	29
	ALCOHOLIC TENDENCY	Females.	111111111111	1
	ALCOH	Males.	∞⊔ 1∞ 1⊔ 1 1⊅ 1 14 π∞ 1 1 1 1 1 1 1 1 1 1	99
AUSES.	BNCY.	.elstoT		14
PREDISPOSING CAUSES	NEUROTIC TENDENCY	Females.		က
Predis	NEUR	Males.	.1-1-11111451111111-1111	11
	DENCY.	.alstoT	10000-11000-1111-001111	48
	HEREDITARY TENDENCY	Females.	14464118	29
	HEREDI	Males.	H 00 H	19
		.slatoT		271
А рмичтер.		Females.	다. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	109
		Males.	4000 1010 101 1400 101 101 101 101 101 1	162
		S.		
		AUSES	nce,	
		EXCITING C	Arteriosclerosis, Cerebral hemorrhage, Congenital deficiency, Drugs,	
			Arteriosclerosis, Congenital, Cerebral hemone Congenital, Congenit	Totals,

9. — Probable Duration of Mental Disease before Admission.

					First adm	ITTED TO ANY	Hospital.
PREVIOUS DU	RAT	YION.			Males.	Females.	Totals.
Congenital,		•			18	18	36
Under 1 month, .					61	19	80
From 1 to 3 months,					22	18	40
3 to 6 months,					19	16	35
6 to 12 months,					15	9	24
1 to 2 years,					15	12	27
2 to 5 years,					4	11	15
5 to 10 years,					5	1	6
10 to 20 years,					2	1	3
Over 20 years, .					-	1	1
Total,					161	106	267
Unknown,					-	2	2
Not insane,					1	+ 1	2
Totals,					162	109	271
Average known durati	on	(in y	ears)	, .	.75	1.15	.95

10. — Form of Mental Disease in Patients admitted from the Community or discharged, with Condition on Discharge, or died.

	THS.	.elstoT	8487251 128681128 6487251 128681128	218
TOTAL	DISCHARGES AND DEATHS.	Females.	41.64.00.00.00.00.00.00.00.00.00.00.00.00.00	82
-	DIS	Males.	22 8 8 8 8 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1	136
		Totals.	1410000 011101011-0011	81
	Died.	Females.	1 = 1 & = = = = = = 4 & 1 = 1 1 1 1 1 1 1 1 1	29
		Males.	181122 2114121418	52
	NE.	Totala.	111111 11111111111111111111111111111111	2
	NOT INSANE	Females.	111111 11111111	-
	NOT	Males.	111111 1111111111	-
	ED.	.slatoT	111011 001010101111	21
	NOT IMPROVED	Females.	11-011 1-111-111-11	9
	IMI	Males.	1:14:11 81181118111	15
ED.	ΞD.	Totals.	Ø1=204 Ø1 Ø1@=1 Ø1	32
HARG	IMPROVED	Females.	1112010 00110111111111111111	18
DISCHARGED	IME	Males.	01-0 11	14
	OF IRT.	Totals.	112113 3123 1121	43
	CAPABLE OF SELF-SUPPORT	Females.	H 04 H 0 40 H H	19
	CAP/ SELF-	Males.		22
	ED.	Totals.	8:11114 041111111111	88
	RECOVERED.	Females.	w	6
	REC	Males.	111111333 21111111	8
	ED.	Totals.	25 25 25 25 25 25 25 26 26 26 27 27 27 27 27 27 27 27 27 27 27 27 27	27.1
	Committed	Females.	22 24 7 7 16 16 17 17 17 17	109
	Co	Males.	31 25 25 25 25 10 11 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	162
				•
			I	
		Ĕ.	any hospital: sanity, sanity: s, suity: e, onic,	
		SEASE	(ty; -	
		DI	any anity an	
		OF	- First admitted to a Acute alcoholic instandant delirium. Acute delirium. Dementia prezox, Epilepsy, Involution psychosis Manic-depressive ins Manicacheresive ins Maniacal form, Maniacal form, Mantal deficiency, Organic brain discass Organic dementia, Paranois, Ranois,	
		FORM OF	- First admitted to Acute alcoholic im Acute delirium, Acute delirium, Epilepsy. Epilepsy. Involution psycho Manicacheresive i Dementia præcox, Epilepsy. Maniacal form, Maniacal form, Maniacal form, Organic dementia, Paranoia, Paranoia, Paranoia, Pallagra, Senlie dementia, Schild deficiency. Senlie dementia, Schild desired dementia, Schild deficiency i Senlie dementia, Schild deficiency in acute dementia, Schild dementia, Schild dementia, Schild dementia, Illustration of the senting dementia dementia, Illustration of the senting dementia, Illustration of	,
		FOF	admadmadmadmadmadmadmadmadmadmadmadmadma	Total A,
			Acute and Acute	Tot
			A. — First admitted to factor alcoholic insandard alcoholic insandard alcoholic inspective for the factor alcoholic incomplete for the factor alcoholic involution psychosis manical form, Faranoia, Faranoia, Faranoia, Falesis, Sonile dementia, Sonile dementia, Romandard, Manical former in sano, Manical former in manical former in manne, manne, manical former in manne, manne, manical former in manne, man	
			No No	

10. — Form of Mental Disease in Patients admitted from the Community or discharged, with Condition on Discharge, or died—Concluded.

	5					=				Disch	DISCHARGED	á			=				G		Ţ	TOTAL
	်ီ	COMMITTED	ED.	REC	RECOVERED		CAPA SELF-	CAPABLE OF SELF-SUPPORT	ET.	IMPI	IMPROVED		NOT	TO VED.	Ŋ.	NOT INSANE	ANE.		JED.		DISCHARGES AND DEATHS.	DISCHARGES AND DEATHS.
FORM OF DISEASE.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males. Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Femsles.
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¹ One man was discharged once as recovered and once as not insane, making total persons 282.

12. — Causes of Death and Form of Mental Disease in Persons who died.

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12. — Causes of Death and Form of Mental Disease in Persons who died — Concluded.

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		eral diss Carcino Carcino Carcino Cervica Exhausi General Heat ex Involut Pellagra Senility	Sept Sept Tub	eases Cere End Myo	Nep Ova	Hyr Pulr	Tub	
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13. — Duration of Mental Disease and its Treatment in Patients recovered or died.

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ь то А	HOSPITAL RESIDENCE.	Females.	18411111 61 6	4.6
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	DURATION BEFORE ADMISSION.	Females.	481111111111111111111111111111111111111	3.0
	DURAT AD	Males.	22 22 30 30 30	.64
			A. — Recoveries: — Under P month, From 1 to 3 months, 3 to 6 months, 6 to 12 months, 1 to 2 years, 5 to 5 years, 5 to 10 years, 10 to 20 years, Over 20 years, Totals, Totals, Totals,	Average of known cases (in months),

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110 100 100 100 100 100 100 100 100 100	80	81	30.2 24.6 22.8
	28	53	30.2
971120094121	52	52	21.1
B. — Died: — Congenital, Under 1 month, From 1 to 3 months, 3 to 6 months, 6 to 12 months, 1 to 2 years, 2 to 5 years, 5 to 10 years, 10 to 20 years,	Total,	Totals,	Average of known cases (in months),







FIFTY-EIGHTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON STATE HOSPITAL,

FOR THE

YEAR ENDING NOVEMBER 30, 1913.



BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS, 32 DERNE STREET.

1914.

APPROVED BY
THE STATE BOARD OF PUBLICATION.

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OFFICERS

OF THE

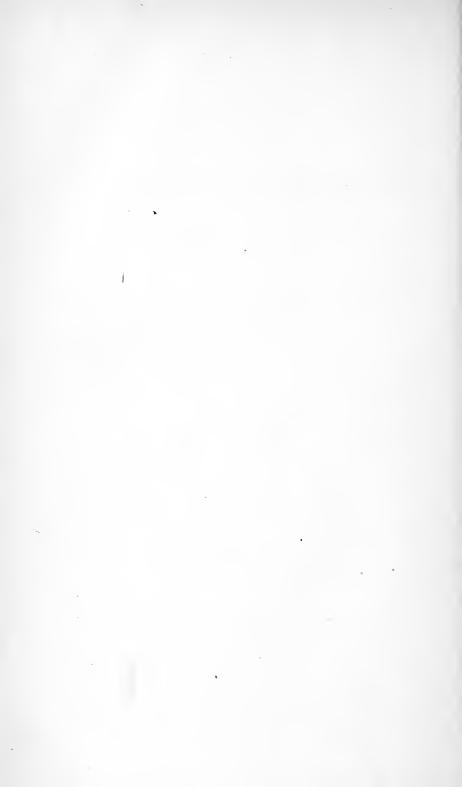
NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

JOHN McQUAID,					Pitts field.
HENRY L. WILLIAMS, Cha	airma	n,			Northampton.
CHARLES S. SHATTUCK,					Hat field.
JOSEPH W. STEVENS, Seco	retary,				Green field.
EMILY N. NEWTON, .					Holyoke.
CAROLINE A. YALE, .					Northampton.
LUKE CORCORAN, M.D.,					Spring field.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D., .		Superintendent.
CHARLES H. DEAN, M.D., .		Assistant Physician.
B. ANGELA BOBER, M.D., .		Assistant Physician.
CHARLES E. PERRY, M.D.,		Assistant Physician.
ARTHUR N. BALL, M.D., .		Assistant Physician.
GERALDINE OAKLEY, M.D.,		Assistant Physician.
HARRIET M. WHITNEY, M.D.,		Physician to Out-patient Department.
LEWIS F. BABBITT,		Treasurer (office at the hospital).
THOMAS.H. BUTTERWORTH,		Engineer.
CARL W. HAMMOND, .		Farmer.
SUSAN E. WARREN,		Matron.



The Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital respectfully present the fifty-eighth annual report covering the statistical year Oct. 1, 1912, to Sept. 30, 1913, and the fiscal year Dec. 1, 1912, to Nov. 30, 1913.

The reports of the superintendent and treasurer accompany our report as a part of it.

The treasurer's report shows an economical administration for the year. A daily average of 894 patients were supported at a weekly per capita cost of \$3.99. If from the maintenance expenditure be deducted the amount received from sales and board of patients, the weekly per capita cost to the State is shown to be \$2.88.

It is doubtful if this low rate can be maintained much longer, in view of the present cost of supplies, together with the demands of labor for shorter hours and higher wages.

Labor conditions in institutions must compete with similar conditions in their immediate neighborhood.

In some instances even higher wages must be paid than for similar services outside the institution, in order to retain the employee because of the undesirable nature of the service. It has been found increasingly difficult to engage and keep in service a sufficient number of competent nurses. While this has been due in a measure to the ease with which work can be obtained elsewhere, it is undoubtedly due more largely to

the nature of the work. This work is very unattractive, and few persons of the kind we should like to employ will be attracted by any rate of wages likely to be offered.

A nurse's duties are arduous and exacting. Association day after day with patients who are demented, and with those who are so absorbed in their delusions that they are indifferent to any friendly advances, is depressing to a sane mind. Comparatively few of the patients are companionable in any sense of the word, except those who are convalescing, and these soon leave the hospital. Many of the patients are quarrelsome, querulous, not easily manageable, having been sent here because their relatives could not or would not get along with them at home. There is always the possibility of injury by one of the turbulent class, and of undeserved complaint or criticism by some suspicious and unreasonable relative.

In order to secure an efficient corps of nurses as high a rate of wages should be paid as is consistent with a proper regard for economy, and the hours of duty should be lessened. While these measures may not attract a much larger number of applicants, they may enable us to keep in the service more of those who on trial seem fitted for the work.

The Legislature of 1913 made a special appropriation of \$10,000 for the purchase and installation of new boilers. After a full study of conditions here by three different engineers, the Heine Boiler Company's type of water tube boiler was selected. Three of these, of 255 horse power each, were purchased. Two of them have been installed and put in service and the other one will be ready for service in a few weeks. The Cunningham boiler, which was installed in 1903, is still serviceable.

The laundry, which was under process of construction at the time of our last report, has been completed and equipped with machinery. It has been in use since early summer.

We shall ask the coming Legislature for a special appropriation for the purchase and installation of fire pumps.

Our present water system has pipes of ample size, and the water supply is adequate in volume but not in pressure to afford efficient fire protection. The State Board of Insanity sent an engineer, Mr. F. W. Dean, to make an examination of present conditions. He found the water pressure insufficient

to fight a fire successfully, and recommended the installation of pumps to increase the pressure, and that they be placed in a brick, fireproof room, away from the boiler room. To purchase these pumps, to build a one-story brick house in which to place them, and to connect them to our present steam and water systems will require an appropriation of \$4,000.

We renew our request of last year for an appropriation to make certain changes and additions to the south wing. The corridor connecting the infirmary for women to the main building is at present one story high. By carrying this up to the full height of the other building much passing down stairs and up again will be obviated in getting from the upper floors of one building to the corresponding floors of the other. At small expense, out-of-door piazzas can be added to this corridor which will afford opportunity for the aged and infirm women patients to get out of doors without passing over the stairways.

The bay at the end of the first halls, as proposed, will let more light into halls now darkened after midday by the second halls. It will enlarge the day space of those halls now crowded, and in suitable weather can be made an open-air sitting room.

These changes will add materially to the comfort and welfare of the patients, will lessen the inconvenience of getting to and from the nurses' home, which is at present on the upper floor of the infirmary building, and will provide space for 18 additional beds. The estimated cost last year of these changes was \$7,000, based on bids submitted by two contractors. Estimates this year by the same contractors are somewhat higher, but it is hoped that we can make the changes for the amount mentioned by using our own labor and resources.

Our annual reports for years have recorded a steady increase in the number of patients admitted and in the number maintained. Part of this increase is due to the growth in population of the district served by the hospital and part to the policy of the State, in force since 1904, of caring for all the mentally afflicted at the expense of the State in State institutions, instead of allowing many of the mildly demented, senile cases and the feeble-minded youths to be cared for in the almshouses as they were prior to 1904. The last building erected by us to increase our accommodations was completed and occupied in

1905. Since then our overcrowded condition has been relieved by frequent transfers of patients to institutions in the eastern part of the State, the Worcester Asylum, the Medfield Asylum and the Gardner Colony. The number transferred since 1906 has been 460.

For several years we have been studying how best to care for the patients of our district, which comprises the four western counties, without their being removed from the district.

In our reports for 1911 and 1912 the advisability of establishing a colony was mentioned, but we had no definite plan to recommend till we should have studied the matter further. This spring, with the approval of the State Board of Insanity, we suggested a plan to the Legislature and asked for an appropriation to purchase land somewhere in Berkshire County, where a colony might be established under our management to care for the mild cases that would otherwise be transferred to the asylums in the eastern part of the State, with the expectation that in time it would become an independent institution to care for all of the patients of that county.

There are excellent reasons for selecting that county as the location for the proposed colony. The hospital at Northampton, to which the patients from Berkshire are now committed, is too far away, — three hours' ride by train from the nearest court house, and five hours, and even more, from the homes of many of the patients. Consequently, commitments are often delayed beyond the time when it would be most advantageous to the patient to be placed under treatment.

Of the 460 patients transferred to the asylums mentioned, 129 were from Berkshire County. Already far from home in Northampton, they were removed still farther away. Many complaints have been made in times past by relatives of these patients, at what seemed to them an injustice.

We again present this matter for consideration and recommend that a special appropriation be made to begin such an undertaking.

The following changes have taken place in our medical staff since our last report: Dr. Couch left the service on June 14, 1913, and Dr. Humphreys on July 8, 1913; Dr. Geraldine Oakley was appointed to the position of assistant physician

and entered the service on Sept. 16, 1913. Dr. Oakley was graduated from the University of Toronto in arts and later in medicine. She then served a year in the New York Infirmary for Women and Children.

JOHN McQUAID.
HENRY L. WILLIAMS.
CHARLES S. SHATTUCK.
JOSEPH W. STEVENS.
EMILY N. NEWTON.
CAROLINE A. YALE.
LUKE CORCORAN, M.D.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

I hereby submit my report of the operations of the hospital for the year ending Nov. 30, 1913.

There were 872 patients in our care on Oct. 1, 1912. During the following year 411 were admitted and 374 were dismissed, leaving 909 on Sept. 30, 1913. Besides these, 56, who were away from the hospital on trial visit at the beginning of the year, were nominally admitted for the purpose of discharging them from our records.

The whole number of patients under our care within the year was 1,283, a larger number than in any previous year; the daily average number was 883. The daily average number supported during the fiscal year Dec. 1, 1912, to Nov. 30, 1913, was 894.

The admissions included 359 who were committed by the courts; 17 admitted on voluntary applications; 15 temporary care cases; 5 cases transferred by the State Board of Insanity from other institutions or from family care; 14 who were returned from visits on trial at home and 1 from escape.

A large proportion, 44 per cent. of the patients admitted, were of foreign birth; 65 per cent. were of foreign parentage. Twenty-eight of the patients admitted could speak no English, or so little that they could not make themselves understood. Of these, 14 were Polish; 8, French Canadian; 2, Italian; 2, Swedish; 1, German; 1, Bohemian.

Twenty-two patients in all were admitted on voluntary application. Three of these were later committed as insane. Six of them had been patients here before and had appreciated the benefits they had derived from previous care and treatment. At the end of the year there were 5 voluntary cases in the hospital.

Fifty cases were admitted under the temporary care act, of which number 35 were later committed as insane within the seven days allowed for observation.

Analysis of our records for the last six years shows that 18 per cent. of our admissions come from Hampshire County, 48 per cent. from Hampden County, 10 per cent. from Franklin County and 24 per cent. from Berkshire County.

The admissions the present year bear the following relations to the total population of the county from which they come, the computations being based on the census of 1910: from Hampshire County, 1 in every 1,092; from Hampden County, 1 in every 1,218; from Franklin County, 1 in every 1,245; from Berkshire County, 1 in every 1,525.

The districts nearest the hospital send the largest relative number of patients. This may be partly because acquaintance with the hospital has in a measure disarmed apprehension of it, but probably is largely because it is easier and less expensive to get patients from the near-by districts and to visit them after they are committed.

One patient in every 5 admitted during the year was sixty years of age or older. It is noticeable that the relative proportion of old persons, of the age of seventy and over, is very large. This proportion has steadily increased since the opening of the hospital in 1858. During the first five years only 1 in 80 of the patients admitted was of the age of seventy. During the next ten years the proportion had increased to 1 in every 24, and during the following period of fifteen years, to 1 in every 13. Since then it has continued to grow larger till it is now — and for the past few years — 1 in every 8.

At present there are in the hospital 220 patients of the age of sixty or older, 97 of these being over seventy, 21 being over 80 and 4 being over ninety years old. These patients have varying degrees of mental defect or incapacity making their commitment legal. Many of them are dotards who could be easily cared for at home if their relatives were willing to keep them. Some of them have no homes to go to, and these we try to place in family care, but not many families are willing to take them. Some provision is needed for their care, but they would be more comfortable where not surrounded by the

insane, and the energy and expense in caring for them at the hospital could be better applied to the care of the insane.

Of the patients dismissed, 56 were discharged as recovered; 66 as so nearly recovered as to be practically capable of caring for themselves and, in some cases, of earning their own living; 40 were discharged as improved; 39 as not improved; 20 as not insane, these being voluntary and temporary care cases who were addicted to the drug habit or to the use of alcoholic beverages; 30 were transferred by the State Board of Insanity to the Worcester Asylum; 7 escaped; and 55 were at home on trial visit. One hundred and seventeen died.

The majority of patients who are dismissed are now allowed to go on trial visit. The hospital tries to keep them under observation through correspondence and visits. In some cases where it is doubtful whether the patient can get along well in the community he is asked to report in person to the hospital. We find that they make no objections to this, but come willingly and seem to appreciate that this requirement is for their interest.

Fifteen patients who had no claim upon this Commonwealth were deported by the State Board of Insanity and by the United States Immigration Department.

Our out-patient service has been continued as outlined in the reports of 1910, 1911 and 1912. Dr. Whitney reports concerning the patients who were placed in family care as follows: 24 women and 2 men were in family care at the beginning of the year. During the year 13 women and 1 man were placed in homes, making the full number so cared for, 37 women and 3 men. Of this number 4 women were discharged from our care, 2 died, 1 went to the care of her brother in another State and 1 eloped, going out of the State to New York City. Seven women and 1 man were returned to the hospital for various reasons; 3 temporarily to relieve the boarding mistress, one of them later returning to the same home; 2 because of incompatibility with the caretaker, later being placed in another family where they have done well; 1 man following an operation for appendicitis who later went back to the same family; and 2 women who were found to be physically and mentally unsuitable for family care.

Of those who remain in family care at the end of the year, 2 men are each earning \$15 a month and board, 1 woman is earning \$4 a month and board and 3 women are earning their board.

These patients have been visited frequently at unexpected times so that their actual conditions and surroundings might be noted. The care of them has been uniformly good and the patients seem to appreciate what is done for them.

During the year various towns in our district were visited 161 times, and often several families were visited in the same town. Efforts to find suitable homes and care takers have been continued. Besides the personal visits of Dr. Whitney many letters have been sent to the overseers of the poor and to physicians in various towns. Our assistant has noticed at times an opposition by the citizens of some of the smaller towns to the placing out of State dependents.

It has not been easy to find a large number of boarding places, or, on the other hand, to find patients suitable for family care. We have usually been able to send to their own homes such cases as would otherwise be suitable for boarding out. We have been surprised at the reluctance of patients to leave the hospital, though usually it has been found that those whom we have persuaded to go have become quite contented in their new home.

Our assistant has visited patients who were out on trial, to give advice and also to observe whether further trial was necessary. The homes of patients in the hospital who were not well, but whose discharge was requested, have been visited to learn whether it would be well to allow them to go on trial.

Homes of recently committed patients have been visited to learn what the home surroundings were, and members of the patient's family and the family physician have been questioned to learn any facts that might have a relation to the patient's mental condition, such as his habits, previous illnesses, inherited tendencies and the like.

Former patients have occasionally come to her for advice and treatment, and several persons who have never been patients here have consulted her at the request of the physician or of the family. In several cases commitment was advised, in others, a course of home treatment was recommended.

We have for many years advised in consultation, without charge, any one who would personally come to the hospital,—or his friend or physician,—and have gone or have sent out assistants in some cases to the homes of persons who needed advice, at no expense to them. To extend our sphere of usefulness in this direction a letter is now being prepared to be sent to all physicians of our district stating our willingness to see any one who will come here or to send a competent assistant to see cases who cannot come or who are unwilling to come, for which we should charge only the actual cost of travel where the patient cannot afford to pay a fee.

Our training school for nurses has continued under the direction of Miss Bedell, she having given 62 lessons from the textbooks during the year. Sixty-two lectures were given by members of the staff, and a special course of 16 lessons in diet cooking for invalids was conducted by Miss Titcomb, instructor at the People's Institute. Four nurses were graduated: Misses Janet Campbell, Jennie M. Ryan, Caroline A. Arthur and Mabel Tacy. Graduation exercises were held on October 15.

Our graduating classes always have been small. Many of the pupils leave the classes, partly because of personal unfitness for the position of nurse or of inability to go on with the class work, but largely because of a dislike on their part of the nature of the service, which latter also deters many who would like to enter a training school from applying, when it is learned what class of patients is cared for.

Few of our graduates remain long in our service, preferring to take postgraduate courses in the metropolitan hospitals or to seek more congenial work outside.

We realize how beneficial the training school is to the hospital. Much of the credit of whatever success we have is due to the kind, sympathetic service of the nurses who are in immediate contact and association with the patients. On the other hand, any unfavorable reputation the hospital may acquire is in no less degree due to the inefficient and tactless nurse.

It has been our aim to secure the very highest class of

nurses possible, and to this effort is to be attributed in part our inability to secure a desirable number of nurses to do our work, which number, as stated in previous reports, we think should not be less than 1 for each 8 patients, and better work could be done with a still larger corps of nurses. Each applicant, male and female, is required to fill out a blank stating fully his qualifications for the work and where he has been employed for the two years previous, giving the names of at least two responsible persons for reference. He also signs the following, which is printed on each blank:—

If accepted I promise to comply with the rules of the hospital; to treat the patients with the utmost kindness and consideration; not to be abusive or harsh to them; not to use profane, rough or improper language in their presence; not to use intoxicating beverages while in the service of the hospital.

On receipt of the application a letter is sent to each person to whom we were referred. Anything unfavorable in the reply is sufficient cause for rejection of the applicant. Frequently the time consumed in waiting for the blanks to be returned, and for replies to our letters investigating the character and qualifications of the applicant, is so long that when we have finally accepted the applicant we are advised that service meanwhile has been accepted elsewhere. Not infrequently the applicant refuses to come on learning that the hospital is for the care of the insane.

So long as situations in other lines of work are easily obtainable and more attractive, the number who apply for places here will not be large. Practically every State hospital has a training school, as has every general hospital of any size in this State and throughout New England; consequently, there is a large demand for pupil nurses, larger, we believe, than the available supply.

We must make the conditions in our service so attractive that we can secure a larger number than we have been able to keep for many years past. The conditions that seem likely to appeal most strongly to the largest number are higher wages, shorter hours and more congenial living accommodations.

These matters are presented for the careful consideration of

your Board. To properly carry them into effect will require larger appropriations by the Legislature.

Much attention has been given to occupation and diversion for the benefit of the patients. These matters have been so frequently spoken of at length in former reports that what can be said now must be a repetition of what has been said before.

In the useful lines of work patients have helped in all the domestic departments, in the shops, at the barns, in the fields. Out-of-door work on the farm, in the gardens and on the lawns is best for the largest number, being not only more suited to their mental capacity, but also more beneficial because carried on in the open air. This applies to women as well as to men, they also having helped in the gardens in picking pease, strawberries and the like, and some of them having cultivated small garden plots of their own, with the privilege of making personal use of whatever they raised, whether flowers or small vegetables and fruits.

For patients who need to be diverted yet are not suited, for a time at least, to the routine of household occupations, classes of fancywork have been conducted under an instructor, Miss Maud Brison. Here are taught the weaving, braiding and hooking of rugs, the making of baskets of raffia and of reeds, knitting, crocheting caps, ties, scarfs and the like, embroidery, quilt making, as well as plain sewing.

All the tinware used in the hospital is made here as well as all the mattresses, pillows and brooms, — for which we raise the broom corn. Upholstery, repairing of furniture, shoe repairing and the like are done by inmates.

Much cement work has been done the past year by patients under the direction of one man, as follows: a walk 6 feet wide to the laundry from the cross walk to the barn; a walk around the end of one side of the laundry 10 feet wide, with a long retaining wall and steps; a floor in the tunnel from the boiler room to the basement of the farm ward building; a walk along the west side of the boiler house; new steps and incline near the kitchen; a walk from the bakery to the back door; many square yards in the basement of the old hay barn; new gate posts at the entrance to the cow yard; a dam and retaining wall at the ice pond; and the foundations for the new boilers.

Some of the special matters deserving mention are the following: —

An extension of the ell of the brick house was made, two rooms being equipped as bathrooms.

A planing machine and a new lathe have been placed in the carpenter shop.

A kilowatt hour meter has been installed in the engine room.

There are now in use in the engine room a water meter, to register the quantity of water used in the boilers, and a recording thermometer, to show at what temperature the water enters the boilers. A daily record is kept of the coal used. By these means it is possible to estimate the efficiency of the fuel and the cost per unit of the electricity generated.

About 700 feet of steam pipe supplying the piggery have been replaced.

Tables are annexed to this report that show the results of some of our many and varied activities.

Reference to the table of farm products shows a favorable comparison with last year in spite of the prolonged drought of summer. Several of the crops were considerably larger this year than last, as hay and potatoes. Forty-five thousand more quarts of milk were produced and 5,000 pounds more of pork. Other staples, however, like cabbage, onions, sweet corn, squash and potatoes, did not yield as well as a year ago.

We have a fine herd of cows, better now than ever before. Fifty-two of them are thoroughbreds. For two years or more we have bought no cows, having kept the herd full by raising our calves. In the herd are twenty-five cows that have each yielded 10,000 pounds or more of milk during the year. One of these gave as her best day's record 104½ pounds, for seven days, 676 pounds and for six months, 10,327 pounds. Four others gave the following records: 10,889 pounds in seven months, 10,356 pounds in seven months, 8,845 pounds in seven months, 7,638 pounds in six months. These records were up to the end of the fiscal year.

Two hundred and two assemblies of patients have been held during the year in the "chapel" or entertainment hall. Religious services have been held every Lord's Day. Beginning

with Jan. 12, 1913, two services have been held, the morning service being conducted by the clergymen from St. Mary's Church for the Catholic patients, the afternoon services by various clergymen of the vicinity for Protestant patients. These services are variously attended by both Catholic and Protestant patients.

The following entertainments were held: readings by some member of the staff on 39 evenings; dancing on 27 evenings; card parties on 8 evenings; stereopticon lectures on 5 evenings; phonographic concerts on 7 evenings; December 9, songs in Japanese costume, Mr. Asai; December 16, ventriloquism, Mr. Cole; December 23, piano and vocal recital, Mr. Brigham; January 6, ventriloquism, Mr. Prescott; January 13, musical, Dr. Perry and friends; January 27, musical, Mr. Bill and Mr. Strout; February 3, "The Drummer Boy," Mr. Howard; February 10, musical by nurses and patients; February 12, "The Rivals," Northampton High School; February 17, music and readings, Mr. Paine and Mr. Morris; March 31, dramatic sketches, Mrs. Mills and others; April 26, class play, Amherst High School; May 3, dramatic readings, Mr. Kiernan; June 16. musical, the Misses Woods; September 24, music and readings, Mr. Lorraine; October 15, graduation of the nurses; October 22, dramatic sketch, Mrs. Mills and others; October 30, Hallowe'en party.

A moving-picture outfit has been purchased and will be put in use immediately.

We have a library of about 2,200 volumes, which patients are allowed to take to the wards. Sixty-six volumes of fiction were purchased for the circulating library.

Many articles have been given us for benefit of the patients, such as books, magazines, illustrated periodicals, fruit and gifts or money with which to purchase gifts for the Christmas tree for patients who had no friends to remember them. To these we express our sincere appreciation. A list of donors and gifts is as follows: money for Christmas gifts from Mrs. W. T. Parker, Mrs. J. L. Egbert and Mr. Goldstick; gifts for the Christmas tree, Mr. J. Sullivan; newspapers and magazines from Mr. Lyman, Mrs. Gere, Mr. O'Brien, Mr. McGregor, Miss Parker, Miss Eastman, Mrs. Spear, Mrs. L. W. Graves, Mrs.

Crossin, Mrs. Sheldon, Mrs. Simmison, Mrs. Warner and Miss Gorham; books for the library from Miss Eastman, Mr. Starkweather, Hon. W. M. Hayes, Senator Weeks and from Williams College; copies of "Christian Register," "Dumb Animals," "The Healthy Home Quarterly," "The New Church Journal" and "The Christian Science Monitor" have been regularly received.

JOHN A. HOUSTON,
Superintendent.

ARTICLES MADE IN SEWING ROOM.

Aprons,		421	Milk cloths,		156
Awnings,			Napkins hemmed,		
Bathrobes, .			Neckties,		
Bureau covers,			Nightgowns,		
Caps,			Petticoats,		
Chemises,			Petticoats for baby,		
Clothes bags, .			Pillow cases,		
Coats altered, .			Pillow ticks,		
Corset covers,			Rugs bound,		
Covers for machiner			Sheets,		
Cushions,			Shirts,		
Curtains, sash,			Shirts for baby, .		
Curtains, shade,			Shirt waists,		
Curtains, muslin,			Skirt, dress,		
Curtains hemmed			Skirts altered, .		
Diapers,			Stand covers, .		
Drawers,			Suit altered,		
Dresses,			Table cloths,		
Dresses for baby, .			Towels,		2,555
Dresses altered.			Trousers shortened,	oairs,	51
Dust cloths,			Vests altered.		2
Holders,			Waist altered,		
Hose, pairs,			Articles repaired, .		
Mattress ticks,					

PRESERVING DONE IN KITCHEN DEPART-MENT.

Blackberry jam, quarts, .	. 40	Cucumber pickles, barrels, . 4
Blackberries spiced, quarts,	. 12	Cucumbers, salted, barrels, . 2
Blueberries, quarts,	. 218	Pears, sweet pickle, gallons, . 10
Brandied fruit, quarts, .	. 6	Pepper hash, quarts, 24
Cherries, quarts,	. 200	Red peppers canned, quarts, . 2
Citron, quarts,	. 46	Tomato sweet pickles, gallons, 5
Gooseberries, quarts, .	. 65	Tomato chow-chow, gallons, . 75
Peaches, quarts,	. 40	Grape marmalade, jars, 35
Pears, quarts,	. 30	Grape juice, quarts, 30
Plums, quarts,	. 73	Blackberry jelly, glasses, 10
Quince, quarts,	. 41	Cider apple jelly, glasses, . 50
Rhubarb, quarts,	. 200	Currant jelly, glasses, 100
Strawberries,	. 64	Quince jelly, glasses, 20
Tomatoes,	. 670	Grape jelly, glasses, 80
Boiled cider, quarts, .	. 66	Raspberry and apple jelly,
Chili sauce, gallons,	. 20	glasses, 24

WORK DONE IN INDUSTRIES DEPARTMENT.

Hair mattresses made,	new i	matei	ial					1
Hair mattresses made,	old n	nateri	al,					810
Hair mattresses made,	old h	air, n	ew t	icks,				8
Hair pillows made, old	hair,	new	ticks	, .	-			6S
Hair pillows made, old	hair,	old t	icks,					301
Feather pillows made, o	old m	ateri	al,					8
Chairs caned,								54
Brooms made,								567
Whisk brooms made, .								106
Shoes tapped, pairs, .								615
Shoes heeled, pairs, .								719
Laundry baskets made,								9
Couches upholstered,								5
Bread boxes,								3

Bread pans, .													24
Cake lifter, .					Ċ		·	Ċ	·	į	·	i	1
Cake pans, .													2
Colanders, .											Ī		$\frac{1}{2}$
Chicken waterers				Ċ	Ċ					i	Ċ		8
~											Ū		$\overset{\circ}{2}$
					i.					·	• [16
Copper drip tank													1
Copper flanges,				Ċ	Ċ			Ċ	Ċ	į			12
Copper fish cook													2
Dish covers,										·			3
Dish pans, .					Ċ		·	Ċ		·	Ō		11
Drinking pail,				Ċ	Ċ		·	Ċ		·	·		1
Dust pans, .			0.				į			·	·		5
Feeding cups,		İ						·		·			12
Galvanized pails													67
Irrigating tanks,								Ċ					2
Milk cans, .					i								12
Milk can covers,													3
Name plates,				Ċ	·	·	·						50
Pans,													4
Perforated scrape	ers.		Ċ	Ţ.		Ī			Ť	·			$\overline{4}$
Pot cover, .					Ċ	į							1
Pudding dishes,					· ·						i		72
Quart cups, .		Ì		Ī	·				·		i		48
Rings for dish pa													6
Screen binders,					Ċ								24
Soup boxes with			·										12
Sprayer, .		.~,	Ċ			į			·		i		1
Sprinkling pot,			i	·			i						1
Square boxes,			Ċ	i				Ċ	Ċ				6
a. ·													$\overset{\circ}{2}$
Tobacco burners													4
Two quart milk													48
Watering pots.													7

OFFICERS AND EMPLOYEES.

[Period of service, Nov. 30, 1913.]

Names.	Years.	Months.	Days.
John A. Houston, M.D., superintendent,	24	2	7
Charles H. Dean, M.D., assistant physician,	13	6	21
B. Angela Bober, M.D., assistant physician,	2	$egin{array}{c} 2 \\ 8 \\ 3 \\ 2 \\ 2 \end{array}$	2
Harriet W. Whitney, M.D., assistant physician, .	14	8	17
Charles E. Perry, M.D., assistant physician,	1	3	26
Arthur N. Ball, M.D., assistant physician,	1	2	_
Geraldine Oakley, M.D., assistant physician,	-	$\mid 2 \mid$	15
Lewis F. Babbitt, treasurer,	22	1	18
Burton G. Fiske, supervisor,	10	1	15
Alice E. Bedell, superintendent of nurses,	11	3	20
Susan E. Warren, matron,	19	8	8
Martha G. Jones, secretary to superintendent,	20	4	11
Carl W. Hammond, farmer,	3	9	_
William J. Moore, steward,	17	1	13
Ord Thomas, assistant steward,	4	$\frac{2}{7}$	9
Frank L. Bardwell, assistant steward,	_	7	23
Rachel C. Packard, stenographer,	4	7	_
M. M. Perry, stenographer,	1	3 7	_
Susan E. Norton, clothesmarker,	5		29
Leon E. Bruce, baker,	8	5	4
Arthur L. Hubby, assistant baker,	2	10	23
George W. Thorniley, florist,	20	7	11
Thomas Butterworth, engineer,	6	_	17
William Day, assistant engineer,	15	7	29
Isaac Fisk, assistant engineer,	$\frac{4}{2}$	8	24
Francis Pond, assistant engineer,	5	4	5
Floyd Canedy, fireman,	-	2	3
George Forsythe, fireman,	1	_	2
Ernest E. Holmes, fireman,	1	6	12
Tefield Lucier, fireman,	2	1	-
Grover Wentzel, hreman,	4	_	2
Philip Finn, fireman,	-	_	15
Samuel A. Clark, fireman,	-	_	15
Grace Thomas, seamstress,	1	_	13
Margaret Tobin, seamstress,	2	8	23
Addie Wood, seamstress,	$\frac{3}{16}$	7	$\frac{20}{29}$
Addie Wood, seamstress,	1	2 2 2 5	9
George Degor, assistant laundryman,	6	2	26
Jennie Ferguson, laundress,	7	5	
Ellen Moore, laundress,	1	7	$\begin{array}{c c} 2 \\ 5 \end{array}$
Mary Shearer, laundress,	_	1	9

Names.						Years.	Months.	Days.
Lizzie Stalker, laundress, .						_	1	4
Emma Billings, usher,		·		Ċ	Ċ	2	10	$\tilde{7}$
	•	•	•	•	•	_		13
Alice Campbell, housemaid, .	•	•	•	•	•	1	5	12
Jennie Ferguson, housemaid,	•	•	•	•	•	_	$\begin{array}{c c} & 0 \\ 2 & \end{array}$	$\frac{12}{26}$
Katherine Stone, housemaid,	•	•	•	•	•	_	$ \tilde{4} $	8
Cecelia Thomas, housemaid,	•	•	•	•	•	2	9	27
Mary Cunningham, houseman	id .	•	•	•	•	_		9
Mary Murphy, center dining	room	•	•	•	•		7	5
Josephine O'Neil, center dining	ng roc	m.	•	•	•	_	6	· 21
Agnes Gotski, kitchen maid,	_	,,,,	•	•		3	7	18
A 34 ' 1' 1 ' 1	•	•	•	•		_		2
Agnes Morris, kitchen maid, Katherine Prosciak, kitchen r	naid	•	•	•		_	10	$1\overline{5}$
Victoria Ridgeck, kitchen ma	id	•	•			1	3	$\frac{13}{2}$
T. I. D 1 1 14 1		•	•	•	•	_	$\begin{array}{c c} 3 \\ 9 \end{array}$	$1\overline{5}$
Juna Kyai, kitchen maid, Jennie Grawski, kitchen maid	•	•	•	•	•		9	$\frac{13}{21}$
Corrio Lig kitahan maid	, .	•	•	•				$\frac{21}{23}$
Carrie Lis, kitchen maid, . George L. Smith, kitchen, .	•	•	•	•	.		$\frac{1}{2}$	$\frac{25}{15}$
Lewis C. Roberts, kitchen, .	•	•	•	•	.		4	14
	•	•	•	•	•	1	6	22
Katharine Ridgeck, cook, .	•	•	•	•		$\frac{1}{3}$	7	8
Josie Hurd, cook, Fred D. Aldrich, nurse,	•	•	•	•	.	13	11	18
Luther Atherton nume.	•	•	•	•	.	19	{	
Luther Atherton, nurse,	•	•	•	•		_	6	2
Nathan Baker, nurse, Spencer Balliet, nurse, Emil Barbone, nurse,	•	•	•	•		_	$\begin{bmatrix} 2 \\ 3 \end{bmatrix}$	$\frac{9}{16}$
Emil Doubers mures,	•	•	•	•	.	_	3 1	15
Alamandan Dantan munga	•	•	•	•	.	8	4	14
Alexander Beaton, nurse, .	•	•	•	•		0	7	17
David L. Bowe, nurse,	•	•	•	•	.	_	6	
John J. Bradley, nurse,	•	•	•	•		5	8	18
George M. Clark, nurse, .	•	•	•	•		1	5	$\begin{array}{c} 9 \\ 21 \end{array}$
Everett Ford, nurse,	•	•	•	•	•	_	$\begin{array}{c c} 5 \\ 6 \end{array}$	$\frac{21}{30}$
William F. Gay, nurse,	•	•	٠	•	.	2	$\begin{bmatrix} 0 \\ 2 \end{bmatrix}$	
Edward Grace, nurse,	•	•	•	•	•	-	$\begin{bmatrix} 2\\3 \end{bmatrix}$	22
Walter A. Grace, nurse,	•	•	٠	٠	.	-		19
Axel Gustafson, nurse,	•	•	•	•	•	3	6	$\frac{30}{17}$
Matthew Hudson, nurse, .	•	•	•	•	•	2	6	17
David Keefe, nurse,	•	•	•	•		-	$4 \mid$	7
James H. Joy, nurse,	•	•	•	•	.	1	11	4
George H. King, nurse, .	•		•	•		_	6	16
Robert Kinney, nurse,			•	•		$\frac{2}{1}$	$\frac{2}{11}$	20
Charles Mansfield, nurse, .	•	•	•	•		1	11	$\frac{23}{2}$
Abraham Marks, nurse, .		•	•			_	$2 \mid$	9
Michael McCaffrey, nurse, .		•	•	•		4	_	$\frac{2}{2}$
Frank A. Melvin, nurse, .	•	•		•	•	-	$\frac{2}{5}$	28
Eugene J. Miller, nurse, .	•	•	•		•	-	5	20
William O'Hare, nurse,	•	•	•	•		-	4	22
I nomas O'Neil, nurse, .		•	•	•		_	$\frac{2}{2}$	16
Alfred Owen, nurse,	•	•	•	•		4	9	15
Elmer Palmer, nurse,	•			•	•	_	4	13
Elmer Palmer, nurse, Charles M. Pease, nurse,	•	•		•		7	6	6
Harry Smith, nurse,							2	1

Name	s.						Years.	Months.	Days.
Harry E. Spencer, nurse,							_	10	13
Henry Sthal, nurse, Lawrence Tierney, nurse,							_	10	13
Lawrence Tierney, nurse.	•	•	•	•	Ċ	Ĭ	_	$\begin{vmatrix} -\tilde{7} \end{vmatrix}$	$\overline{12}$
W. Irving Toothaker, nurse	٠		•	•	•	•	_	$\begin{vmatrix} & \dot{2} & \end{vmatrix}$	$\tilde{27}$
Samuel Vondel nurse	~,	•	•	•	•	•	_	$\mid \tilde{1} \mid$	29
Russell Warran nurse	•	•	•	•	•	•	_	1 1	11
Donald Williams nurse	•	•	•	•	•	•	_	5	8
Harry Williams, nurse,	•	•	•	•	•	•	_	3	5
William F Wilson murgo	•	•	•	•	•	•	_	5	8
William E. Wilson, nurse,	•	•	•	•	•	.	_	7	12
William A. Wood, nurse,	•	•	•	•	•	•	\cdot^2		
Leigh Stewart, nurse, .	•	•		•	•		_	1	1
Stanley Stewart, nurse,	•	•					_	1	1
Carl Hill, nurse,		•					-	-	24
M. Irving Toothaker, nurse, Samuel Vondel, nurse, Russell Warren, nurse, Pussell Warren, nurse, Bussell Warren, nurse, Williams, nurse, William E. Wilson, nurse, William E. Wilson, nurse, William A. Wood, nurse, Leigh Stewart, nurse, Carl Hill, nurse, . Alphonse Bradley, nurse, Harry Collins, nurse, . Chester W. Clements, nurse, John W. Jameson, nurse, John R. Wilson, nurse, Caroline Arthur, nurse, Mildred Beckwith, nurse, Goldie Bickford, nurse, Annie Brewer, nurse, . Elizabeth Cyr, nurse, . Julia Dalton, nurse, Bathena R. Davis, nurse, Mary G. Davis, nurse, Mary G. Davis, nurse, Alice Deslauriers, nurse, Isabel Ferguson, nurse, Ress M. Eoss nurse, Ress M. Eoss nurse, Russell Ferguson, nurse, Ress M. Eoss nurse,							-	-	27
Harry Collins, nurse, .						.	_	-	19
Chester W. Clements, nurs	e,					.	-	_	15
John W. Jameson, nurse,	•						_	- 1	17
John R. Wilson, nurse.							_	-	12
Caroline Arthur, nurse.							2	_	17
Mildred Beckwith nurse	•	•	•	•	•	•	$\bar{1}$	1 1	$\overline{12}$
Goldie Riekford nurse	•	•	•	•	•		5	$ $ $\frac{1}{2}$ $ $	-
Appie Brower nurse,	•	•	•	•	•	٠.	1	$\begin{vmatrix} \frac{2}{1} \end{vmatrix}$	22
Elizabeth Com numa	•	•	•	•	•	•	1	$\frac{1}{2}$	$\frac{22}{20}$
Elizabeth Cyr, nurse, .	•	•	•	٠	•	•			
Julia Dalton, nurse, .	•	•	•	•	•	•	1	6	$\frac{12}{10}$
Bathena R. Davis, nurse,		٠.	•	•	•	•	_	$\begin{vmatrix} 2 \end{vmatrix}$	10
Mary G. Davis, nurse,			•	•	•			1	20
Alice Deslauriers, nurse,							1	9	29
Clara Deslauriers, nurse,				•			_	6	4
Isabel Ferguson, nurse,							_	2	1
Bess M. Foss, nurse, .							_	4	2
Margaret L. Gavin, nurse,							_	1 1	17
Margaret Horgan, nurse.							_	3	16
Florrie Horton, nurse.							1	_	24
Hanna Kelleher nurse	•	•	•	•	•	•	î	1	$\frac{1}{24}$
Margaret Kelley nurse	٠	•	•	•	•	•	$\bar{5}$	ī	$\frac{23}{23}$
Clara Desiauriers, nurse, Isabel Ferguson, nurse, Bess M. Foss, nurse, Margaret L. Gavin, nurse, Margaret Horgan, nurse, Florrie Horton, nurse, Hanna Kelleher, nurse, Margaret Kelley, nurse, Marion MacKay, nurse, Blanche MacLean, nurse	•	•	•	•	•	•	1	4	$\frac{26}{26}$
Dlamaha MacLay, nuise,	•	•	•	•	•	•	1	1	18
Blanche MacLean, nurse, Hope Mahaney, nurse,	•	•	•	٠	•	٠	_		
Hope Mananey, nurse,	•	•	•	•	•	•	_	7	23
Effie Mahy, nurse, .	•		•	•	•	•	9	4	24
Ethel M. Marion, nurse,		•					_	4	24
Effie Mahy, nurse, . Ethel M. Marion, nurse, Mary Montgomery, nurse,		•					-	3	15
							-	1	29
Dorothy Ross, nurse, . Jennie Ryan, nurse, . Sadie M. Sharp, nurse, Mabel Tacy, nurse, . Lena M. Tanner, nurse, Mary Walsh, nurse, . Flora A. Whitney, nurse, Mabel Wood, nurse, .							-	2	29
Jennie Ryan, nurse.							5	7	5
Sadie M. Sharp, nurse							_	4	17
Mabel Tacy, nurse.							4	8	16
Lena M Tanner nurse	•		•	•	•	•	_	$\frac{3}{2}$	14
Mary Walsh nurse	•	•	•	•	•	•	_	1	16
Flore A Whitney pures	•	•	•	•	•	•		4	18
Mahal Wood names	•	•	•	•	•	•	$\frac{-}{6}$	1	18
wraper wood, hurse							0	I	10

Names.						Years.	Months.	Days.
Lucy A. Hill, nurse,						_	_	24
Doris Crosby, nurse,	•	•	•	•	•	_	_	$\frac{21}{21}$
Marguerite Crosby, nurse, .	•	•	•	•		_	_	$\frac{21}{21}$
Gertrude Chapman, nurse, .	•	•	•	•				18
Lena Marmane, nurse,	•	•	•	Ċ	•	_	_	18
Maud L. Brison, nurse,	•	•	•	•	•	_	- 3	_
Thomas P. Clair, plumber, .	•	•		•	•	15	7	_
Albert DeGrandpre, carpenter,	•	•			•	8	10	_
William LaSalle, carpenter,		· ·			Ċ	$\tilde{2}$	10	2
Arthur W. Lee, painter, .	•	Ċ		Ċ	·	$\bar{2}$	6	$1\overline{0}$
Henry Maynard, carpenter,	•	· ·	· ·	·	·	$\bar{5}$	5	$\overline{22}$
Roscoe Tobin, plumber.						11	_	28
Roscoe Tobin, plumber, . Walter M. Tower, carpenter,						35	10	_
Benjamin Wood, painter, .						1	11	
Herbert Clark, farmer, .						_	5	_
James Denny, farmer,						5	1	24
Xavier Dion, farmer,						20	5	16
Michael Drozdial, farmer, .						2	8	8
Thomas Drozdial, farmer, .						9	_	_
Chas. Dumont, farmer, .						1	10	27
Frank Hurd, farmer,						4	5	10
Fred Kempker, farmer, .						2	7	
Frank Lyonais, farmer, .						_	. 8	
Paul Maynard, farmer, .						_	11	16
David Mercier, coachman, .						36	9	13
Daniel O'Connell, farmer, .					.	_	7	_
Fred Pierce, farmer,						_	3	_
Frank Sanborn, farmer						6	6	22
Frank Sanborn, farmer, Fred Smith, farmer,						2	8	10
Walter Streeter, herdsman,						10	8 3 3	1
Albert Taylor, farmer, .						_	3	_
Howard Tyler, farmer, .						_	7	15

FARM PRODUCTS.

Apples, 289 barrels, .						\$1,011	50
Asparagus, 77 boxes, .						308	00
Beans, shell, 47 bushels,						70	50
Beans, lima improved, 93 bu	ishel	ls,				158	10
Beans, string, 183 bushels,						228	75
Beef, cow, 12,202 pounds,						976	16
Beef, steer, 20,521 pounds,						2,462	52
Beets, 212 bushels, .						159	
Beet greens, 69 bushels,						27	60
Broilers, $797\frac{1}{2}$ pounds, .						193	30
Broom brush and seed, 6,80	og 0	unds	,			544	00
Brussels sprouts, $26\frac{1}{2}$ quarts	,					2	96
Cabbage, $22\frac{1}{2}$ tons, .	.					630	00
Cabbage, $22\frac{1}{2}$ tons, . Carrots, $200\frac{1}{2}$ bushels, .						150	38
Cauliflower, 41 bushels,						34	85
Cauliflower, 41 bushels, Celery, 500 boxes,						425	00
Chard, 8 bushels,						3	20
Cherries, 426 quarts, .						51	12
Chickens, 534 pounds, .						133	50
Cider 1 182 gallons						177	30
Citron, 2,200 pounds, .	٠,					22	00
Corn, green, 486 bushels,						291	60
						170	25
Cucumbers, 113½ boxes, Cucumber pickles, 27½ bush	els.					38	50
Cucumbers, greenhouse, 696).					34	
Currants, 215 quarts, .						21	50
Eggs, 2,431 dozen,						607	75
Egg plant, 12 barrels, .						33	00
Fence posts, 102,						20	40
Fodder, ensilage, 500 tons,		i				2,500	
Fodder, alfalfa, $6\frac{1}{2}$ tons,						,	50
Fodder, corn, green, 110 tor	ıs.					550	00
Fowl, 517½ pounds.	,				-	87	
Gooseberries, 810 quarts.							00
Fowl, $517\frac{1}{2}$ pounds, . Gooseberries, 810 quarts, Grapes, 500 pounds, .							00
Hay, first crop, 360 tons,	i					7,200	
Hay, second crop, 30 tons,				:		300	
, , , , , , , , , , , , , , , , ,	•	•		•			
Amount carried forward	,					\$19,824	01

Amount brought forward	<i>!</i> ,					\$19,824	01		
Ice, 730 tons,						2,920	00		
Lettuce, 510 boxes,						229			
Lumber, 13,187 feet, .						329	67		
						1,875	00		
Manure, 375 cords, . Milk, 315, 120 quarts, .						20,482			
Mint, 5 bushels						•	00		
Mint, 5 bushels, Muskmelons, 356 crates,						445			
Onions, 351 bushels, .						351			
			Ċ		·		40		
Parsley, 11 bushels, . Parsnips, 336½ bushels, .						252			
Peaches, 3 bushels,			•		•		25		
Pears, 63 bushels,	•	•	•	•	•		25		
Peas, 133 bushels,				•	•	•	80		
Peppers, $9\frac{1}{2}$ bushels, .	•	• .	•	•	•		75		
Plums, 288 baskets, .			•	•	•		20		
D	٠	٠	•	•	•	2,133			
Pork, 40,094 pounds, .	•		•	•	•				
	•	•	•	•	•	4,009	00		
Pumpkins, 2,400 pounds, Quinces, 3 bushels,			٠	•	•		00		
	•	٠	٠	•	٠				
Radishes, 632 dozen bunche				•	٠	252			
Raspberries, 87 quarts, . Rhubarb, 17,950 pounds,	٠	٠		•	•		44		
Rhubarb, 17,950 pounds,	•	•	•	٠	٠	179	-		
Rye, unthreshed, $8\frac{1}{2}$ tons,				•	٠	174			
Salsify, 28 bushels,	٠			•			80		
Squash, summer, 13 barrels,	,				٠		40		
Squash, winter, 16 tons,					•	400			
Spinach, $180\frac{1}{2}$ bushels, .				٠.			18		
Strawberries, 4,119 quarts,	•				•	494			
Tomatoes, ripe, 520 bushels	, -					390			
Tomatoes, green, 30 bushels Tomatoes, greenhouse, 54 p	3,						00		
Tomatoes, greenhouse, 54 p	oun	ds,				5	40		
Turnips, 326 barrels, .						652	00		
Watermelons, 804,						120	60		
Wood, 80 cords,						320	00		
Total,								\$56,211	12
Sales: —									
Cows and calves,						\$707	35		
Hides,						502			
To: 1.1	•	•	•		•	298			
**	•	•	•		•		91		
Vegetables,	•	•	•	•	•	$\frac{33}{292}$			
Sundries,	٠.			٠	٠	202	J-I	1,834	30
100ai,	•	•	•		•		_		
Total farm product,								\$58,045	42

Live stock b	elo	nging	to	the h	ospi	tal:-	_				
Bulls, 4, .										\$600	00
Calves, 15,										375	00
Cows, 86, .										7,310	00
Fowls, 487,										487	00
Heifers, 21,		٠.								1,050	00
Hogs, fat, 160	,									3,200	00
Shoats, 195,										1,950	00
Pigs, 54, .										270	00
Brood sows, 42	2,									1,470	00
Boars, 4,										140	00
Horses, 16,										4,125	00
Oxen, 18, .										2,700	00
Steers, 5, .						•		•		500	00
Total										\$24.177	00

VALUATION.

REAL ESTATE.

Grounds and building sites, 23 acres. \$4.861 20

Grounds and building							\$4,801	20		
Woodland, 93 acres,							19,655			
Mowing, 110 acres,							23,248	50		
Pasturage, 185 acres,							39,099	75		
Tillage, 100 acres,							21,135	00		
Hospital building,							616,619	00		
Farmhouse,							1,500	00		
Brick house,							2,000	00		
Three dwellings, .							5,500	00		
Cold storage							30,000	00		
Two barns,							5,500	00		
Cow stable,							13,000	00		
Horse stable,							6,000	00		
Lumber shed, .							850	00		
Piggery,							3,000	00		
Cart shed,							400	00		
Pump house, .							400			
Paint shop,							2,039	00		
Laundry (new), .							40,353	00		
Cook house and barn	, .					•	2,500			
Bradley house, .							800	00		
Burnett house, .							1,200			
Total real estate,									\$839,661	00
		Drag	RSON.		Fame	mm				
Food						1 124.	\$9,221	75		
Food,	· r mat	orial	•		•	•	3,263			
Furnishings	5 11140	(1741	•	•	•	•	40,455			
Furnishings, Fuel,	•	•	•	•	•	•	5,286			
Fuer,	•	•	•	•	•	•	80,802			
Paneira and improve	· monte		•	•	•	•	4,469			
Forms stable and more	menu	5,	•	•	•	•	49,670			
Miscellaneous, .	unus,	•	•	•	•	•	2,903			
Unexpended balance	of s	mair	· ·tono		enn.		2,900	00		
							10,444	38		
priation, Unexpended balance	of and	nain1	oner	· on	intici		3,930			
Onexpended balance	or spe	JUIAL	appr	opr	120101	٠, ٠	J,800			
Amounts carried	forwa	urd,					\$210,446	94	\$839,661	00

Amounts brought forw	ard,	•	•	•	•	\$210,446	94	\$839,661	00
Accounts receivable, .						14,651	08		
Cash on hand: —									
Office,						953	93		
Bank,						3,696	11		
Patients' money,						2,837			
Endowments, etc., .						759	30		
Total personal estate,								233,345	12
							•	31,073,006	19
	Agge	UNTS	ъ.	37 A TO I			4	,075,000	14
7 / · · · · · · · · · · · · · · · · · ·					LiEi.			@10.204	വ
Maintenance, Trust funds:—	•	•	•	•	•		•	\$10,394	92
Patients' money, .						\$2,837	76		
Endowments, .						759	30		
								3,597	06
Excess of resources over li	abili	ties,						1,059,014	14
							-	31,073,006	19
c	lm a mi	EMEN'	T 0E	Err	NTD CI		q.	,1,075,000	14
				· FU	NDS.		00		
On hand, Nov. 30, 1912,	•	•	•	•	•	\$1,920			
Receipts,	٠	•	•	•	•	4,141	01	@@ O@1	00
D (1 1								\$6,061	
Refunded,	•	•	•	•	•	•		3,224	14
Balance on hand Nov	. 30,	1913	,				•	\$2,837	76
	Fred	B. F.	Kellu	Fun	d.				
Balance, Nov. 30, 1912,								\$729	84
Income,								29	_
Balance on hand Nov	. 30,	1913	,					\$759	30

TREASURER'S REPORT.

To the Trustees of the Northampton State Hospital.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1913:—

D 1 D 1 1010	\mathbf{C}_{I}	ASH ACCOUN	г.			@1 07 <i>c</i>	24
Balance Dec. 1, 1912,	•		•		•	\$1,876	94
		Receipts.					
Institution Receipts.							
Board of inmates: —							
Private,		\$33,417	57				
Reimbursements, insane,		15,441	97				
				\$48,859	54		
Sales: —							
Food,		\$205	86				
Clothing and materials, .		276	19				
Furnishings,		6	50				
Heat, light and power, .		70	79				
Repairs and improvements,			00				
Miscellaneous,		127	13				
Farm, stable and grounds: -	-						
Cows and calves, \$707							
Pigs and hogs, . 298							
•	2 10						
	3 91						
Sundries, 292	2 94						
		1,834	30				
			_	2,600	77		
Miscellaneous receipts: —							
Interest on bank balances,	•	\$161					
Sundries,		43	78				
			_	205	44		
						51,665	75
Receipts from Treasury of	Com	monwealth.					
Maintenance appropriations:	_						
Balance of 1912,				\$8,695	80		
Advance money (amount on	hand	November 3	30),	5,000	00		
Approved schedules of 1913							
Less returned,		25	00				
				175,755	62		
						189,451	42
Special appropriations, .						17,676	08
Total,			•		•	\$260,669	59

Payments.

To treasury of C Maintenance app	propriati	ons: -	-						\$51,665	5 75
Balance Nove	mber sch	edule,	1912,				\$11,190	14		
Eleven month	s schedu	les. 19	13.							
November adv	ances.						349			
		·	·	•	·	•			187,295	79
Special appropris	ations: -	-							101,200	, 12
Approved sche	dulee						\$17,676	. 00		
Approved sche Less advances,	lect was	r'e ror	ort	•	•	•	618			
Less advances,	, last yea	ıı s reț	OI U,	•	•	•	016	00	15.050	- 00
D-1 M 20	1012.								17,058	08
Balance Nov. 30,										
In bank, .			•	•	٠		\$3,696			
In office, .				•	٠		953	93		
									4,650	04
m . 1										
Total, .	•	•	•		•				\$260,669	59
			MA	INTE	IANC	E.				
Appropriation, .									\$186,200	00
Expenses (as ana	lyzed be	low),							186,150	54
Balance reverti	ing to tr	easury	of Co	mmo	nwea	lth,			\$49	46
		£.	Inalys	is of	Expe	nses.				
Salaries, wages an	nd labor									
John A. Houste			rinten	dent.			\$3,000	00		
General admini	istration					•	19,297			
Medical service Ward service (i Ward service (f Repairs and im Farm, stable an		, .	•	•	•	•				
Wand service	e, . 1.\	•	•	•	•	•	5,750			
ward service (i	maie),	•	•	•		•	14,716			
Ward service (f	temale),	•					13,186			
Repairs and im	proveme	ents,					5,923			
Farm, stable ar	ad groun	$\mathrm{ds},$					9,096	80		
								-	\$70,945	35
$Food: \longrightarrow$										
Butter,							\$6,662	36		
Butter, Butterine, . Beans							158			
Beans	•	·	•	•	•	•	511			
Beans, . Bread and crac	leare.	•	•	•	•	•				
Cereals, rice, m	col oto	•	•	•	•	•	444			
Character, rice, in	ear, etc.,	•	•	•	•	•	1,405			
Cheese, .			•	•	•	•	449			
Eggs,		•	•	•			6,837			
Flour,	•		•				5,879	10		
Eggs, Flour,							2,554	15		
Fruit (dried and Lard,	d fresh),						2,070			
Lard,							684			
Meats,							12,956			
Molasses and sy	vrup.				:		472			
Spices, seasonin	gs. salt	etc.			:	•	305			
Sugar,	-o~, Jair,	.,	•	•	•	•				
Tea, coffee, bron	me cod		•	•	•	•	3,364			
Vogetables	ша аци (ocoa,			•	•	2,180			
Vegetables, .	•		•	•	•	•	854			
Yeast, Sundries, .	•						254			
Sundries, .		•					1,326	80		
									49,373	06
								_		—
Amount carri	ed forwa	rd,		•	•				\$120,318	41

$Amount\ brough$	ht forwa	rd,						. \$120,318	41
Clothing and mate	rials: —								
Boots, shoes and							\$737 1	.6	
Clothing, .	140001	٠,	•	·	Ĭ.	·	1,944 4		
Dry goods for cle	othina a	nd sr	nall s	weres		•	1,857 4		
						•	276 5		
Furnishing goods	5, .		•	•		•	36 2		
Hats and caps, Leather and sho			•	•	•	•	103 3		
					•	•			
Sundries, .	•	•	•	•	•	•	62 4		56
Furnishings: —									
Beds, bedding, ta	able line	n. etc	3				\$3,107 0	06	
Brushes, brooms		,	.,		•		287 1		
Carpets, rugs, et	, .	•	•		•	·	376 4		
Crockery, glassw	oro out	loru	ot a		•	•	604 6		
Crockery, grassw	ale, cui		000.,	•	•	•	67 6		
Furniture and up	phoister	у,		•	•	•	38 8		
Kitchen furnishi			•	•	•	•			
Sundries, .	•	•	•	•	•	•	379 6		
								- 4,861	28
Heat, light and por	wer: —								
Coal,							\$9,208 8	39	
Freight on coal,							4,962 7	70	
Wood,							107 8	33	
Electricity							63 8	32	
Electricity, . Gas,							78 8		
Oil,					·	·	173 3		
Sundries	•	•	•				21 6	-	
Sundries, .	.•	•	•	•	•	•	21 (- 14,617	10
								,	
Repairs and impro	vements	s: —							
Brick,							\$209 0		
Cement, lime an	d plaste	r,					362 3	33	
Doors, sashes, et	c., .						34 ()5	
Electrical work a	and sup	plies,					1,180 4	15	
Hardware, . Lumber, .							1,854 (05	
Lumber, .							2,932 9	91	
Machines (detac	hed).						506 2		
Paints, oil, glass,	etc.		•	•			1,052 (
Plumbing, steam	fitting	and a	· nnnl	ioc ·		•	2,247		
Roofing and mat	toriola	ana	uppi	100,	•	•	62 4		
						•			
Sundries, .	•	•	•	•	•	•	920 4	- 11,361	01
	,					•		- 11,501	31
Farm, stable and g									
Blacksmith and	supplies	5,	٠.	•	•	•	\$464 3		
Carriages, wagor	ıs, etc.,	and r	epair	's, .			105 7		
Fertilizers, vines	, seeds,	etc.,					2,208 9	93	
Hay, grain, etc.,							8,959 8	35	
Harnesses and re	epairs,						201 9	90	
Horses,							1,172 5	50	
·	•								
Other live stock.							2.128 3	50	
Other live stock	, .	tc			•	•	$2{,}128$ 6		
Tools, farm mac	, . hines, e	tc.,	:		:		416	14	
	, . hines, e	tc.,	:	· ·	:		,	14	3 45
Tools, farm mac	, . hines, e	tc.,	:		:	:	416	14 50	3 45

Religious services, 996 00	Amount brought forward,			. \$173,204 71
Books, periodicals, etc., \$308 23	Religious services,			. 996 00
Entertainments, 526 80 Freight, expressage and transportation, 218 21 Funeral expenses, 69 83 Medicines and hospital supplies, 1,051 86 Medical attendance, nurses, etc. (extra), 2,554 28 Postage, 305 70 Printing and printing supplies, 70 57 Printing annual report, 191 70 Return of runaways, 54 06 Soap and laundry supplies, 1,566 24 Stationery and office supplies, 388 50 Travel and expenses (officials), 768 83 Telephone and telegraph, 216 08 Tobacco, 19 65 Water, 2,973 43 Sundries, 709 86 Total expenses for maintenance, \$12,086 26 Appropriations for fiscal year, 10,000 00 Total, \$22,086 26 Expended during the year (see statement annexed), \$17,676 08 Reverting to treasury of Commonwealth, 479 71 RESOURCES AND LIABILITIES. Resources. Cash on hand, \$3,930 47 Resources are \$4,650 04 November cash vouchers (paid from advance money), account of maintenance, 349 96 Due from treasury of Commonwealth, account November, 1913, schedule, 5,394 92 Liabilities.	Miscellaneous: —			
Freight, expressage and transportation, 218 21 Funeral expenses,	Books, periodicals, etc.,		\$308 2	3
Funeral expenses, 69 83 Medicines and hospital supplies, 1,051 86 Medicial attendance, nurses, etc. (extra), 2,554 28 Postage, 305 70 Printing and printing supplies, 70 57 Printing annual report, 191 70 Return of runaways, 54 06 Soap and laundry supplies, 1,566 24 Stationery and office supplies, 386 50 Travel and expenses (officials), 726 83 Telephone and telegraph, 216 08 Tobacco, 19 65 Water, 2,973 43 Sundries, 709 86 Total expenses for maintenance, \$186,150 54 SPECIAL APPROPRIATIONS. Balance Dec. 1, 1912, \$12,086 26 Appropriations for fiscal year, 10,000 00 Total, \$22,086 26 Expended during the year (see statement annexed), \$17,676 08 Reverting to treasury of Commonwealth, 479 71 RESOURCES AND LIABILITIES. Resources. Cash on hand, \$3,930 47 Resources. Cash on hand, \$4,650 04 November cash vouchers (paid from advance money), account of maintenance, 349 96 Due from treasury of Commonwealth, account November, 1913, schedule, 5,394 92 Liabilities.	Entertainments,		526 8	0
Medicines and hospital supplies, 1,051 86 Medical attendance, nurses, etc. (extra), 2,554 28 Postage, 305 70 Printing and printing supplies, 70 57 Printing annual report, 191 70 Return of runaways, 54 06 Soap and laundry supplies, 1,566 24 Stationery and office supplies, 386 50 Travel and expenses (officials), 726 83 Telephone and telegraph, 216 08 Tobacco, 19 65 Water, 2,973 43 Sundries, 709 86 Total expenses for maintenance, \$11,949 83 Total expenses for maintenance, \$12,086 26 Appropriations for fiscal year, 10,000 00 Total, \$22,086 26 Expended during the year (see statement annexed), \$17,676 08 Reverting to treasury of Commonwealth, 479 71 RESOURCES AND LIABILITIES. Resources. Cash on hand, \$4,650 04 November cash vouchers (paid from advance money), account of maintenance, 349 96 Due from treasury of Commonwealth, account November, 1913, schedule, 5,394 92 Liabilities.	Freight, expressage and transportation, .		218 2	1
Medical attendance, nurses, etc. (extra), 2,554 28 Postage, 305 70 Printing and printing supplies, 70 57 Printing and printing supplies, 70 57 Printing annual report, 191 70 Return of runaways, 54 06 Soap and laundry supplies, 1,566 24 Stationery and office supplies, 386 50 Travel and expenses (officials), 726 83 Telephone and telegraph, 216 08 Tobacco, 19 65 Water, 2,973 43 Sundries, 709 86 Total expenses for maintenance, \$11,949 83 Total expenses for maintenance, \$12,086 26 Appropriations for fiscal year, 10,000 00 Total, \$22,086 26 Expended during the year (see statement annexed), \$17,676 08 Reverting to treasury of Commonwealth, 479 71 RESOURCES AND LIABILITIES. Resources. Cash on hand, \$4,650 04 November cash vouchers (paid from advance money), account of maintenance, 349 96 Due from treasury of Commonwealth, account November, 1913, schedule, 5,394 92 Liabilities.	Funeral expenses,		69 8	3
Postage,			1,051 8	6
Printing and printing supplies, 70 57 Printing annual report, 191 70 Return of runaways, 54 06 Soap and laundry supplies, 1,566 24 Stationery and office supplies, 386 50 Travel and expenses (officials), 726 83 Telephone and telegraph, 216 08 Tobacco, 19 65 Water, 2,973 43 Sundries, 709 86 Total expenses for maintenance, \$186,150 54 SPECIAL APPROPRIATIONS. Balance Dec. 1, 1912, \$12,086 26 Appropriations for fiscal year, 10,000 00 Total, \$22,086 26 Expended during the year (see statement annexed), \$17,676 08 Reverting to treasury of Commonwealth, 479 71 RESOURCES AND LIABILITIES. Resources. Cash on hand, \$3,930 47 Resources and Liabilities. Resources Cash on hand, \$4,650 04 November cash vouchers (paid from advance money), account of maintenance, 349 96 Due from treasury of Commonwealth, account November, 1913, schedule, 5,394 92 Liabilities.	Medical attendance, nurses, etc. (extra), .		2,554 2	8
Printing annual report,	Postage,		305 7	0
Return of runaways,	Printing and printing supplies,		70 5	7
Soap and laundry supplies, 1,566 24 Stationery and office supplies, 386 50 Travel and expenses (officials), 726 83 Telephone and telegraph, 216 08 Tobacco, 19 65 Water, 2,973 43 Sundries, 709 86 11,949 83 Total expenses for maintenance, \$186,150 54 Special Appropriations. \$12,086 26 Appropriations for fiscal year, 10,000 00 Total, \$12,086 26 Special Appropriations for fiscal year, 10,000 00 Total, \$22,086 26 Special Appropriations for fiscal year, 18,155 79 Special Appropriations for fiscal year, 18,150 54 Sp			191 7	0
Stationery and office supplies,		•	54 0	6
Travel and expenses (officials), 726 83 Telephone and telegraph, 216 08 Tobacco, 1965 Water, 2,973 43 Sundries, 709 86 Total expenses for maintenance, 11,949 83 Total expenses for maintenance, \$186,150 54 SPECIAL APPROPRIATIONS. Balance Dec. 1, 1912, \$12,086 26 Appropriations for fiscal year, 10,000 00 Total, \$22,086 26 Expended during the year (see statement annexed), \$17,676 08 Reverting to treasury of Commonwealth, 479 71 Balance Nov. 30, 1913, \$3,930 47 Resources. Cash on hand, \$3,930 47 Resources. Cash on hand, \$4,650 04 November cash vouchers (paid from advance money), account of maintenance, 349 96 Due from treasury of Commonwealth, account November, 1913, schedule, 5,394 92 Liabilities.	• • • • • • •		1,566 2	4
Telephone and telegraph, 216 08 Tobacco, 19 65 Water, 2,973 43 Sundries, 709 86 Total expenses for maintenance, \$11,949 83 Total expenses for maintenance, \$12,086 26 Appropriations for fiscal year, 10,000 00 Total, \$22,086 26 Expended during the year (see statement annexed), \$17,676 08 Reverting to treasury of Commonwealth, 479 71 Balance Nov. 30, 1913, \$3,930 47 Resources. Cash on hand, \$3,930 47 Resources. Cash on hand, \$4,650 04 November cash vouchers (paid from advance money), account of maintenance, 349 96 Due from treasury of Commonwealth, account November, 1913, schedule, 5,394 92 Liabilities.			386 5	0
Tobacco,				
Water, 2,973 43 Sundries, 709 86 11,949 83 Total expenses for maintenance, \$186,150 54 SPECIAL APPROPRIATIONS. Balance Dec. 1, 1912, \$12,086 26 Appropriations for fiscal year, 10,000 00 Total, \$22,086 26 Expended during the year (see statement annexed), \$17,676 08 Reverting to treasury of Commonwealth, 479 71 Balance Nov. 30, 1913, \$3,930 47 Resources. Cash on hand, \$4,650 04 November cash vouchers (paid from advance money), account of maintenance, 349 96 Due from treasury of Commonwealth, account November, 1913, schedule, 5,394 92 Liabilities. \$10,394 92			216 0	8
Sundries,	· · · · · · · · · · · · · · · · · · ·		19 6	5
11,949 83 Total expenses for maintenance, \$186,150 54 \$186,150 54 \$186,150 54 \$186,150 54 \$186,150 54 \$186,150 54 \$186,150 54 \$186,150 54 \$186,150 54 \$12,086 26 \$12,086 26 \$10,000 00	•		•	
SPECIAL APPROPRIATIONS. S186,150 54	Sundries,		709 8	6
Special Appropriations S12,086 26				- 11,949 83
Special Appropriations S12,086 26				
Balance Dec. 1, 1912,	Total expenses for maintenance,	•		. \$186,150 54
Balance Dec. 1, 1912,				
Balance Dec. 1, 1912,				
Appropriations for fiscal year,	Special Appropria	TIONS	.	
Total,				. \$12,086 26
Expended during the year (see statement annexed), Reverting to treasury of Commonwealth,	Appropriations for fiscal year,			. 10,000 00
Expended during the year (see statement annexed), Reverting to treasury of Commonwealth,				
Reverting to treasury of Commonwealth,	Total,			. \$22,086 26
Reverting to treasury of Commonwealth,				
Balance Nov. 30, 1913,				
Balance Nov. 30, 1913, \$3,930 47 RESOURCES AND LIABILITIES. Resources. Cash on hand, \$4,650 04 November cash vouchers (paid from advance money), account of maintenance, 349 96 Due from treasury of Commonwealth, account November, 1913, schedule, 5,394 92 Liabilities.	Reverting to treasury of Commonwealth, .		479 7	_
Resources and Liabilities. Resources. Cash on hand,				- 18,155 79
Resources and Liabilities. Resources. Cash on hand,	70.1			
Resources. Cash on hand,	Balance Nov. 30, 1913,			
Resources. Cash on hand,				. \$3,930 47
Resources. Cash on hand,		•		. \$3,930 47
Cash on hand,		•		. \$3,930 47
Cash on hand,		BILITI		. \$3,930 47
November cash vouchers (paid from advance money), account of maintenance,	Resources and Lian	BILITI		. \$3,930 47
money), account of maintenance,	Resources and Liab $Resources.$	BILITI	ES.	
Due from treasury of Commonwealth, account November, 1913, schedule,	RESOURCES AND LIAM $Resources$. Cash on hand,		ES.	
November, 1913, schedule,	Resources and Lian Resources. Cash on hand, November cash vouchers (paid from adva)	nce	£s. \$4,650 O	4
\$10,394 92 Liabilities.	Resources and Lian Resources. Cash on hand,	nce	£s. \$4,650 O	4
Liabilities.	Resources and Lian Resources. Cash on hand, November cash vouchers (paid from advantation money), account of maintenance, Due from treasury of Commonwealth, accounts.	nce	\$4,650 0 349 9	4
	Resources and Lian Resources. Cash on hand, November cash vouchers (paid from advantation money), account of maintenance, Due from treasury of Commonwealth, accounts.	nce	\$4,650 0 349 9	4 6 2
	Resources and Lian Resources. Cash on hand, November cash vouchers (paid from advantation money), account of maintenance, Due from treasury of Commonwealth, accounts.	nce	\$4,650 0 349 9	4 6 2
benedule of November bills,	Resources and Lian Resources. Cash on hand, November cash vouchers (paid from advantation money), account of maintenance, Due from treasury of Commonwealth, account November, 1913, schedule,	nce	\$4,650 0 349 9	4 6 2
	Resources and Lian Resources. Cash on hand, November cash vouchers (paid from advantation money), account of maintenance, Due from treasury of Commonwealth, account November, 1913, schedule, Liabilities.	nce	\$4,650 0 349 9	4 6 2 - \$10,394 92

PER CAPITA.

During the year the average number of inmates has been 894.4. Total cost for maintenance, \$186,150.54. Equal to a weekly per capita cost of \$3.99. Receipt from sales, \$2,600.77. Equal to a weekly per capita of \$0.056. All other institution receipts, \$49,064.98. Equal to a weekly per capita of \$1.052.

INDUSTRIES FUND.

Balance Dec. 1, 1912,									\$300 00
Receipts credited, .	•	٠	•	•	•	•	٠	•	-
									\$300 00
Expenditures, Balance Nov. 30, 1913, re								٠.	- \$300 00

Special Appropriations.

Овлест.	Act or Resolve.	Whole Amount.	Expended during Fiscal Year.	Expended to Date.	Balance at End of Year.
Addition to and improvements in bakery,	Acts 1911, chap. 156,	\$6,500 00	\$329 57	\$6,092 01	\$407 991
New laundry building and equipment of same,	Acts 1911, chap. 156,	40,425 00	11,276 98	40,353 28	71 721
New boilers,	Acts 1913, chap. 133,	10,000 00	6,069 53	6,069 53	3,930 47
		\$56,925 00	\$56,925 00 \$17,676 08 \$52,514 82	\$52,514 82	\$3,930 47

1 Reverting to treasury of the Commonwealth.

Respectfully submitted,

LEWIS F. BABBITT, Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

WARREN A. MERRILL,
Assistant_Supervisor of Accounts.



STATISTICAL TABLES.

[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]



1. — General Statistics for the Year.

	Totals.	8872 8872 8872 8872 877 877 877 877 877			
ATES.	-1-7-ш				
Aggregates.	Females.	22 49 20 20 20 20 20 20 20 20 20 20 20 20 20			
Ac	Males.	44, 45, 46, 47, 47, 47, 47, 47, 47, 47, 47, 47, 47			
ES.	Totals.	HH!!!@H!!!!!! @@ \\@@H@!!!!			
INEBRIATES.	Females.	HH 00H 00 400H			
INI	Males.	111111111111111111111111111111111111111			
RY	Totals.	1111121112021111111242011100011111			
TEMPORARY CARE.	Females.	1			
TE	Males.	111111111111111111111111111111111111111			
NE.	Totals.	H 10 10			
Not Insane. Voluntary.	Females.				
Nov	Males.	[] [] [[] [] [] [] [] [] [] [
	relatoT.	8866 8666 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			
INSANE.	Females.	416 116 1170 1170 1170 1180 1180 1180 1180 1180			
H I	Males.	444 1221 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
		tc,			
		rge,			
		1912,			
		itted itted iitted iion, iion, iion d iion d iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii			
		regularly committed, energency, temporary care, temporary care, temporary care, temporary care, by regular commitment, energency, voluntary, temporary care, temporary care, temporary care, temporary care, temporary care, temporary care, temporary care, from visit, from visit, from visit, from seappe, and admissions for discharge if from seappe, as recovered, as improved, as an or insane, discharged, as an or insane, transferred, escaped, transferred, as an or insane, discharged, as an or insane, transferred, escaped, con visit transferred, escaped, transferred, escaped, con visit Cotober 1,			
		spital (O) Ily comn noy, nay care unty care unty care unty, any care unty, any care observa soften, sist, capp, of case of cas			
		is in hospital Ocher regularly commercency, voluntary, care, ted within the yeby regular commercency, voluntary,			stients in hospital Oct. 1, 1912, Viz. regularly committed, energency, voluntary, r temporary care, dmitted within the year, Viz.: by regular commitment, energency, voluntary, temporary care, Viz.: observation, by transfer, Viz.: observation, by transfer, from visit, from escape, Viz.: form visit, from escape, viz.: form visit, from escape, viz.: form visit, from escape, viz.: from visit, from escape, viz.: from visit, sa repable of self-support, as expable of self-support, as not insproved, as not insproved, as not insproved, died, transferred, escaped, commitment, Nominal dismissals for commitment,
		Viz. regularly committed, wiz. regularly committed, emergenory, remporary care, remporary care, remergency, voluntary, temporary care, by transfer, from visit, from visit, from visit, from visit, from scappe, Viz. from visit, from escape, vizi from visit, from scape, from escape, vizi from visit, from scape, scapable of self-support, as one insure, died, transferred, died, con visit October 1, Nominal dismissals for commitment,			

1. — General Statistics for the Year — Concluded.

		Insane	E.	NON	Not Insane. Voluntary.	NE.	TEI	Темроваву Саве.	T.	INE	INEBRIATES	σį	Agg	Aggregates.	es.
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients remaining Sept. 30, 1913, Viz.: regularly committed, emergency, voluntary, temporary care, supported as State patients, as rein-hussing patients, as private patients, as private patients, Number of different persons within the year, Number of different persons admitted from the community, Number of different persons admitted from the community, Number of different persons dismissed, Number of different persons dismissed, Number of different persons dismissed, Number of different persons applied to self-support, Number of different persons applied of self-support, Number of different persons capable of self-support, Viz.: State patients, reimbuursing patients, private patients, whole number of emergency admissions, Daily average number of voluntary admissions, Daily average number of voluntary admissions, Daily average number of voluntary admissions,	456 455 455 455 370 10 440 10 453 384 453 384 453 387 467 467 467 467 467 467 467 467 467 46	450 470 470 470 470 470 470 470 47	9006 902 903 903 903 903 903 903 903 903	11111111000000118	1.4	11. 44. 11. 11. 1244441 1888 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11111114444411600	1 1 1 1 2 2 4 4 4 6 6 6 6 6 6 6				457 457 1 1 1 371 42 44 442 443 663 209 209 209 209 308 314 457 371 457 371 457 371 40.76	4452 4482 319 519 519 610 195 1181 1182 1183 1183 1183 1183 1183 1183	909 903 903 1,273 1,273 1,273 404 371 341 341 341 341 341 341 341 341 341 34
Daily average number of temporary care patients,	_		1		ı	ī	1	1	ı	ı	1	ı	.3753	1969	.5725

2. — Insane received on First and Subsequent Commitments.

						CA	SES COMMITTE	ep.
NUMBER OF	COM	MIT	MEN	TS.		Males.	Females.	Totals.
First to this hospital, .		•				169	152	321
Second to this hospital,					.	17	18	35
Third to this hospital, .						7	2	9
Fourth to this hospital,						-	. 3	3
Seventh to this hospital,						-	1	1
Tenth to this hospital, .						1	-	1
Total cases,						194	176	370
Total persons,						189	175	364
Never before in any hospit	al fo	r the	insar	ne,	.	161	144	305

3. — Nativity and Parentage of Insane Persons first admitted to Any Hospital.

]	Males		F	EMALE	s.	1 7	COTALS	3.
PLACES OF 1	NATIVITY.		Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.
Massachusetts, Other New England Other States,	States,	:	62 10 20	28 11 10	33 11 10	48 15 13	32 8 9	27 11 14	110 25 33	60 19 19	60 22 24
Total native,			92	49	54	76	49	52	168	98	106
Other countries: — Armenia, Austria, Bohemia, Canada, Denmark, England, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Poland, Prussia, Roumania, Russia, Scotland, Sweden, Switzerland, Syria, Wales, Total foreign, Unknown,			1 8 7 15 1 1 5 7 1 1 8 3 3 3 3 7 1 6 6 2 1 1 1 1 7 1 6 8 1 1 1 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 8 24 1 6 6 7 1 1 1 1 3 9 3 3 3 1 1 1 1 1 1 1 1 1 1 1	1 8 20 1 1 6 6 1 1 1 43 3 3 3 3 1 1 6 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-5 19 -1 1 1 -1 27 3 1 1 -5 2 -	5 1 22 5 1 1 39 3 3 1 - - - 5 6 - - - - - - - - - - - - - - -	-5 1 19 -4 1 1 1 1 44 3 3 1 1 3 5 3 3 1	13 13 34 16 61 11 145 66 ·4 11 11 11 11 11 11 11 11 11 11 11 11 11	13 146 11 11 11 11 11 17 78 6 4 4 11 11 11 11 11 11 11 11 11 11 11 11	1 13 1 39 1 10 1 1 1 1 87 6 6 4 4 7 1 1 1 1 1 7 1 1 1 1 1 1 1 1 1 1 1
Totals, .			161	161	161	144	144	144	305	305	305

4. — Residence of Insane Persons admitted from the Community.

			T ADMI TO ANY	7		L OTH		3	COTALS	
		Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Hampshire County,		25	27	52	2	4	6	27	31	58
Hampden County, .		96	64	160	15	15	30	111	79	190
Franklin County, .		9	17	26	5	4	9	14	21	35
Berkshire County, .		26	31	57	5	7	12	31	38	69
Barnstable County,		- -	1	1	-	-	-	-	1	1
Middlesex County, .		_	3	3	-	-	-	-	3	3
Suffolk County, .		1	-	1	1	-	1	2	-	2
Worcester County, .		4	1 :	5	-	1	1	4	2	6
Totals,		161	144	305	28	31	59	189	175	364
Unknown,		-	-	-	-	-	-	-	-	-
Totals,		161	144	305	28	31	59	189	175	364
Cities and towns, .		132	117	249	26	23	49	158	140	298
Country districts, .		29	27	56	2	8	10	31	35	66
Totals,		161	144	305	28	31	59	189	175	364

5. — Civil Condition of Insane Persons first admitted to Any Hospital.

					Males.	Females.	Totals.
Unmarried,					80	55	135
Married, .					59	55	114
Widowed,					19	30	49
Divorced,					2	4	6
Unknown,					1	-	1
Totals,					161	144	305

6. — Occupation of Insane Persons first admitted to Any Hospital.

					M_{A}	LES.				
		-								_
rmorer, .					1	Newspaper reporter,				
Bakers, Barbers, Bartender, Blacksmith,					3	Operatives,				;
Barbers, .					2	Painters,				
Bartender,					ī	Painters,				
lacksmith,					1	Plumbers, .				
utcher, .					$\frac{1}{7}$	Policeman, .				
arpenters,					7	Printer,				
hauffeur,					1	Railroad conductors,				
nei					î	Printer, Railroad conductors, Railroad fireman,				
igar maker,					1	Rooier,				
derks, .					2 8 5 1	Salesmen,				
					8	Scalesmen, . Scullion, . Shipping clerks, Shoemaker, Stationary engineer,				
arm laborers,					5	Shipping clerks,				
iorist, .					1	Shoemaker, .				
					1	Stationary engineer,				
ardener, . Iackman, nsurance agent aborers					1	Student,				
nsurance agent	ċ.				1	Tailor,				
aborers, .					38	Telegraph operator.				
iquor dealer					1	Tool makers				
unch room pro	prie	tor.			ī	Waiter.				
					$\begin{array}{c} 1 \\ 3 \\ 5 \\ 2 \\ 1 \end{array}$	Whin makers.				
Income '			•	:	5	Wood chopper	•	•		
Terchants		•	•	•	2	Wood worker	•	•		
I asons, . I erchants, I ill agent,		•	•		1	No occupation	•	•		
Inlagent, Iolder, .	•	•	•	•	i	Tailor, Telegraph operator, Tool makers, Waiter, Whip makers, Wood chopper, Wood worker, No occupation,	•	•	٠.	
Torder,	•		•	•	1					16
Iusic teacher,		•	•	•		Total, .	•	•		
Iusic teacher,	•	•	•	•		ALES.	•			
	•	•	•	•		ALES.				
ookkeeper.		•			Fем.	ALES.				
ookkeeper.		:	· -		Fем.	ALES.				
ookkeeper, Jerks, .		· ·	:	:	FEM. 1 2 3	ALES.				
ookkeeper, lerks,	:	:		· 	FEM. 1 2 3 9	Stenographers, . Students, . Teacher, . Telegraph operator.			<u> </u>	
lookkeeper, llerks, looks, loomestics,		:			FEM. 1 2 3	Stenographers, . Students, Teacher, . Telegraph operator, Tobacco strippers,				
cookkeeper, clerks, cooks, comestics, cousework, ace maker,		:			FEM. 1 2 3 9	Stenographers, . Students, Teacher, . Telegraph operator, Tobacco strippers,				
lookkeeper, lerks, . looks, . loomestics, lousework, ace maker, lovioiate.	:	:			FEM. 1 2 3 9 34	Stenographers, Students, Teacher, Telegraph operator, Tobacco strippers, No occupation,	: : : : : : : : : : : : : : : : : : : :			2
lookkeeper, llerks, . looks, . loomestics, lousework, ace maker, loviciate.	:	:			FEM. 1 2 3 9 34 1	Stenographers, Students, Teacher, Telegraph operator, Tobacco strippers, No occupation,	: : : : : : : : : : : : : : : : : : : :			
ookkeeper, lerks, . ooks, . oomestics, ousework, ace maker, oviciate.	:	:			FEM. 1 2 3 9 34 1 1	Stenographers, . Students, Teacher, . Telegraph operator, Tobacco strippers,	: : : : : : : : : : : : : : : : : : : :			
ookkeeper, lerks, . ooks, . oomestics, ousework, ace maker, oviciate.	:	:			FEM. 1 2 3 9 34 1 1 1 1 12	Stenographers, Students, Teacher, Telegraph operator, Tobacco strippers, No occupation,	: : : : : : : : : : : : : : : : : : : :			
ookkeeper, elerks, ooks, oomestics, lousework, ace maker, oviciate, furse, peratives,		:			FEM. 1 2 3 9 34 1 1 1 1 1 1 1 1 2 VIFE	Stenographers, . Students,				
ookkeeper, elerks, ooks, oomestics, lousework, ace maker, oviciate, furse, peratives,		:			FEM. 1 2 3 9 34 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Stenographers, . Students,				
ookkeeper, elerks, ooks, oomestics, fousework, ace maker, oviciate, furse, peratives,					FEM. 1 2 3 9 34 1 1 1 1 1 2 VIFE 1 1 1	Stenographers, . Students,				9
ookkeeper, elerks, ooks, oomestics, fousework, ace maker, oviciate, furse, peratives,					FEM. 1 2 3 9 34 1 1 1 1 1 2 VIFE 1 1 1	Stenographers, . Students,				
ookkeeper, elerks, ooks, fourestics, fousework, ace maker, foviciate, furse, peratives, anker, ookkeeper, ox maker, rewery tester,					Fem. 1 2 3 9 34 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Stenographers, Students, Teacher, Telegraph operator, Tobacco strippers, No occupation, Total, OF — Liveryman, Loom fixer, Machinist, Mechanic, Operative				
ookkeeper, lerks, ooks, oomestics, lousework, ace maker, oviciate, furse, peratives, anker, ookkeeper, oox maker, rewery tester, arpenter, irgar maker,					Fem. 1 2 3 9 34 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Stenographers, Students, Teacher, Telegraph operator, Tobacco strippers, No occupation, Total, OF — Liveryman, Loom fixer, Machinist, Mechanic, Operative				
ookkeeper, lerks, ooks, oomestics, lousework, ace maker, oviciate, furse, peratives, anker, ookkeeper, oox maker, rewery tester, arpenter, irgar maker,					Fem. 1 2 3 9 34 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Stenographers, Students, Teacher, Telegraph operator, Tobacco strippers, No occupation, Total, OF — Liveryman, Loom fixer, Machinist, Mechanic, Operative				
ookkeeper, lerks, ooks, oomestics, lousework, ace maker, foviciate, furse, peratives, anker, ookkeeper, oox maker, rewery tester, arpenter, igar maker, ontractor,					FEM. - 1 2 3 3 9 34 1 1 1 1 1 1 2 1 1 1 1 1 2 2 1 1 1	Stenographers, Students, Teacher, Telegraph operator, Tobacco strippers, No occupation, Total, OF— Liveryman, Loom fixer, Machinist, Mechanic, Operative, Painter, Railroad conductor.				
cookkeeper, clerks, cooks, cooks, cousework, ace maker, coviciate, furse, peratives, canker, cookkeeper, cox maker, rewery tester, arpenter, cigar maker, contractor, ingineer,					Fem. 1 2 3 9 34 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Stenographers, Students, Teacher, Telegraph operator, Tobacco strippers, No occupation, Total, OF — Liveryman, Loom fixer, Machinist, Mechanic, Operative, Painter, Railroad conductor, Roofer.				
cookkeeper, clerks, cooks, cooks, cousework, ace maker, coviciate, furse, peratives, canker, cookkeeper, cox maker, rewery tester, arpenter, cigar maker, contractor, ingineer,					FEM. 1 2 3 9 34 11 11 12 11 11 12 11 14	Stenographers, . Students,				
cookkeeper, clerks, cooks, comestics, clousework, ace maker, coviciate, furse, peratives, canker, cookkeeper, cookkeeper, arpenter, cigar maker, contractor, maineer, carmer, carmers, carmers, carmers, carmers, carmers, carmers maker,					FEM. - 1 2 3 3 9 34 1 1 1 1 1 1 2 1 1 1 1 1 2 1 1 1 1 1 1	Stenographers, . Students,				
cookkeeper, clerks, cooks, cooks, cooks, cooks, cooks, cooker, coviciate, coviciate, coviciate, coviciate, coviciate, coviciate, coviciate, coviciate, coviciate, coviciate, coviciate, coviciate, coviciate, coviciate, coviciate, coviciate, coviciate, coviciate, cookkeeper, coviciate, cookkeeper, coviciate, cookkeeper, coviciate, cookkeeper, coviciate, cookkeeper, coviciate, cookkeeper, coviciate, cookkeeper, coviciate, cookkeeper, coviciate, cookkeeper, coviciate, cookkeeper, coviciate, cookkeeper, coviciate, cookkeeper, coviciate, cookkeeper, coviciate, cookkeeper, coviciate, cookkeeper, coviciate, cookkeeper, coviciate, cookkeeper, c					FEM. 1 2 3 9 34 1 1 1 1 1 1 2 1 1 1 1 4 4 1 1 1 1 1 1	Stenographers, Students, Teacher, Telegraph operator, Tobacco strippers, No occupation, Total, OF — Liveryman, Loom fixer, Machanic, Operative, Painter, Railroad conductor, Roofer, Salesman, Students, Salesman, Students, Salesman, Students, Students, Salesman, Students, Students, Salesman, Students, Students, Salesman, Students, Students, Salesman, Students, Students, Students, Salesman, Students, Students, Salesman, Students, Students, Students, Salesman, Students, Stu				
dolder, Ausic teacher, Ausic teacher, Bookkeeper, Blerks, Books, Boomestics, Gousework, Bookeeper, Bookkeeper, Bookkeeper, Bookkeeper, Bookkeeper, Bookkeeper, Bookneeper, Bookneeper, Bookneer, Bookneeper, Bookn					FEM. - 1 2 3 3 9 34 1 1 1 1 1 1 2 1 1 1 1 1 2 1 1 1 1 1 1	Stenographers, . Students,				

7. — Ages of Insane at First Attack, Admission and Death.

		First /	DMITTED T	First admitted to Any Hospital.	SPITAL.				DIED.	ED.		
	AT	AT FIRST ATTACK.	CK.	WH	WHEN ADMITTED	ED.	AT	AT FIRST ATTACK.	CK.	AT T	TIME OF DEATH.	TH.
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	22 1 10 17 10 11 11 11 10 9 9	19 10 10 11 11 11 12 12 13 14 14 17 17 17 18	41 11 22 22 33 49 49 22 22 77	- 10 10 12 13 13 13 19 11 12 12 12	17 17 17 13 13 13 10 10	11 11 11 11 11 11 11	4 1 8 4 2 1 1 2 8 8 9 8 9 8 9 8 9 9 8 9 9 9 9 9 9 9 9	2 m2 m4 m9 r m0 m	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1 1 4 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 2 2 9 4 6 4 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1
Total,	151 6 4	141 1	292 7 6	161	144	305	59	55 - 1	114	09	56	116
Totals,	161	144	305	161	144	305	60 45.83	56	116	60	56	59.11

8. — Probable Causes of Mental Disease in Persons first admitted to Any Hospital.

		ADMITTED.					PREDIE	PREDISPOSING CAUSES.	AUSES.			
				HEREDE	HEREDITARY TENDENCY.	DENCY.	NEUR	NEUROTIC TENDENCY	ENCY.	ALCOH	ALCOHOLIC TENDENCY.	ENCY.
EXCITING CAUSES.	Males.	Females.	.slstoT	Males.	Females.	.elstoT	Males.	Females.	.elstoT	Males.	Females.	Totals.
Arteriosclerosis, Cerebral hemorrhage, Congenital deforency, Drugs, Epilepsy, Excessive child bearing, Heredity, and intemperance, Heredity and senility, Illness, Illness, Illness, Intemperance and senility, Intemperance and senility, Intemperance and senility, Intemperance and senility, Production, Lead poisoning, Menopause, Plangra, Plangra, Plangra, Plangra, Plangra, Plangra, Trauma of head, Unknown, Not insane,	4222246 87	0.00 1 − 0.00 4 0.00 1 0 1 − 0.00 0 − 1 00 − 1 0 − 1 0 0 0 0 0 0 0 0 0	\$00.8848.180148848811191189487	119911181111199111	1.07011180041110111111111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	elilliiiiiieiliiiioiiii	100		H	111111110011001111111111111	11 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2
Totals,	161	144	302	15.	43	74	3.0	2	12	53	9	29

9. — Probable Duration of Mental Disease before Admission.

		FIRST AD	MITTED TO ANY	Hospital.
PREVIOUS DURATION.		Males.	Females.	Totals.
Congenital,		22	19	41
Under 1 month,		38	28	66
From 1 to 3 months,		17	19	36
3 to 6 months,		11	15	26
6 to 12 months,		15	17	32
1 to 2 years,		19	12	31
2 to 5 years,		21	21	42
5 to 10 years,		2	7	9
10 to 20 years,		6	_	6
Over 20 years,		_	3	3
Total,		151	141	292
Unknown,		4	·2	6
Not insane,		6	1	7
Totals,		161	144	305
Average known duration (in year	s), .	1.27	1.48	1.37

10. — Form of Mental Disease in Patients admitted from the Community or discharged, with Condition on Discharge, or died.

	GES THS.	Totals.	00 00 00 00 00 00 00 00 00 00 00 00 00	251
TOTAL	DISCHARGES AND DEATHS	Females.	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	112
-	DIS	Males.	28 24 24 25 20 20 20 111 111 26 6	139
		Totals.	122002112 1224121127	66
	DIED.	Females.	120-1-121-21-21-121-121-121-121-121-121-	47
		Males.	100101111111111111111111111111111111111	45
	ANE.	Totala.	111111111111111111111	7
	NOT INSANE.	Females.	11111111 111111111111	-
	ON	Males.	111111111111111111111111111111111111111	9
	ED.	Totals.	11001111 011101011411	30
	NOT IMPROVED.	Females.	11401111 411014011411	17
	IM	.kales.	11041114 441014141111	13
ED.	ED.	Totals.	H 10H 1 10 H 21 1 1 1 1 1 1 1 1	30
HARG	IMPROVED	Females.	וואווווווו ווווווווווווווווווווווווווו	12
DISCHARGED	IM	Males.		18
	OF.	Totals.	H 100 H 10 00 10 40 H 10 1	48
	CAPABLE OF SELF-SUPPORT.	Females.	11401110 401014041111	21
	CAP	Males.	н I н 4 н 1 ю 1 н ю ю 1 1 ю 1	27
	ED.	Totala.	သိ4 ၊ ယ လမ္း ⊨	44
	RECOVERED	Females.	014-11-11-10 Hr01-11-11-11-11-1	14
	REC	Males.	26	30
	ED.	Totals.	124 25 25 25 25 25 25 25 25 25 25 25 25 25	305
	COMMIT ED	Females.	22 23 23 25 27 27 27 27 27 27 27 27 27 27 27 27 27	144
	Cos	Males.	81 10888 1 1 0 444281 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	191
				•
			Ĭ	٠
		E SE	pital	
		FORM OF DISEASE.	Acute alcoholic insanity, Acute alcoholic insanity, Acute alcoholic insanity, Chronic alcoholic insanity, Dementia præcox, Epilepsy, Huntington's chorea, Hysteria major, Involution psychosis, Manicelepressive insanity;— Depressed form, Manicelepressive insanity;— Organic alcoholic insanity;— Organic organical form, Mental deficiency, Organic brain disease, Organic brain disease, Organic dementia, Parenicis, Parenic	Total A,

10.— Form of Mental Disease in Patients admitted from the Community or discharged, with Condition on Discharge, or died —Concluded.

	DISCHARGES AND DEATHS		1070-4 04 101-11-1	30	315	315
		Females.			142	142
	PΥ	Males.		<u>8</u>	173	173
		Totala.	11844 111844	24	116	116
	DIED.	Females.	11116/111411161	6	26	96
_		Males.	11241 114421661	15	99	9
-	ANE.	Totala.		'	7	7
	NOT INSANE	Females.		1	-	_
	NO	Males.		1	9	٧
	ED.	Totals.	1 62	9	36	36
	NOT IMPROVED	Females.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10	22	99
	IM	Males.	1111- 111111111	_	14	7
ED.	ED.	Totals.	1801 8818181118	6	39	30
DISCHARGED	IMPROVED	Females.	116311 -11-11111	4	16	2
Disc	IMI	Males.	10011 (0111011)	2	23	66
	OF ORT.	ralatoT	1200 00111-11-11-1	16	69	6.4
	CAPABLE ELF-SUPP	Females.	10111 0011111111	-1	28	00
	CAPABLE OF SELF-SUPPORT	Males.	10001	6	36	06
	ED.	Totals.	01-10 10-11-11-10	6	53	64
	RECOVERED	Females.	11-16 61111111	7.0	10	9
	REC	Males.	Ø1111 1HH111111	4	34	76
	ED.	Totals.	20g8p 81100004811	65	370	156
	Сомміттвр	Females.	100000 00000111	32	176	1
	Cow	Males.	00404 H0: 1000H0H1	88	194	100
		<u>' </u>		•	•	
				•	•	
		SE.			•	
		SEASE		•		
		ū	sanit insanit	•		
		FORM OF	B. — Other admissions: — Acute alcoholic insani Chronic alcoholic insa Dementia precox, Deplepsy, Involution psychosis, Manic-depressive insa Depressive form, Manic-depressive form, Manic-depressive insa Organic brain disease Organic dementia, Paressis, Paressis, Senlie dementia, Senlie dementia, Senlie dementia, Senlie dementia,	Total B, .	Aggregate cases, .	A constant of the constant

1 One man was discharged once as recovered and once as capable of self-support, and one woman was discharged once as improved and once as unimproved, making total persons, 313.

11. — Discharges of the Insane, classified by Admission and Results, and Deaths.

	RE	RECOVERED.	ED.	CAE	CAPABLE OF SELF-SUPPORT.	RT.	IMP	IMPROVED.		IMPI	Nor IMPROVED.		Nor	Not Insane.	ei ei	А	Died.		Disc AND	TOTAL DISCHARGES AND DEATHS.	ES.
NUMBER OF THE ADMISSION.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females,	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital,	31	15	46	- 82	24	52	21	13	34	13	19	32	9		2	48	49	26	147	121	268
Second to this hospital,	2	çç	īĊ	9	9	6	H	2	က	-	es	4	1	1	ı	=	9	17	21	17	38
Third to this hospital,	-	1	-	61	П	က	ı	ı	1,	ı	1	ı	1	ı	ı	_	-	67	4	2	9
Fourth to this hospital,	1	1	ı	ı	ı	ı	1		-	1	ı	ı	ı	J	1	1	1	ı	1	-	-
Fifth to this hospital,	1	-	-	ı	1	1	ı	ı	ı	t	1	1	ı	ı	1	-	1	-	ı	Ħ	-
Ninth to this hospital,	1	ı	1	1	1	1	-	1	-	1	1	ı	ı	1	1	1	1	1	-	1	н
Total cases,	34	. 19	53	36	78	2	23	16	39	14	22	36	9	-	7	9	56	911	173	142	315
Total persons, 1	34	19	53	36	28	25	23	16	39	14	22	36	9	-	2	99	26	116	173	142	315
First admitted to any hospital,	30	14	44	27	21	48	18	12	30	13	17	30	9	-	7	45	47	92	139	112	251

1 One man was discharged once as recovered and once as capable of self-support, and one woman was discharged once as improved and once as unimproved, making total persons, 313.

12. — Causes of Death and Form of Mental Disease in Persons who died.

AL NCY.	Totals.	[-1][1]-[1]-[1]-[1]-[1]-[1]-[1]-[1]-[1]-
MENTAL DEFICIENCY.	Females.	- -
Der	Males.	[
c HVE.	Totals.	1
MANIC DEPRESSIVE.	Females.	[
Der	Males.	1111111111111111111111111111111111
ION SIS.	Totals.	1-1111111111111111111111111111111111111
INVOLUTION PSYCHOSIS.	Females.	1-11111001111 1111111111111111111111111
Inv	Males.	111111111111111111111111111111111111111
LIA 3.	Totals.	11111111111111111111111111111111
HYSTERIA MAJOR.	Females.	1111111111111 111 1111 1111 1
H	Males.	111111111111111111111111111111111111111
3Y.	Totals.	
EPILEPSY	Females.	1111-11111111111111111111111111
EP	Males.	111111111111111111111111111111111111111
PIA X.	Totals.	
DEMENTIA PRÆCOX.	Females.	111116011111111111111111111111111111111
DE	Males.	
IC LIC.	Totala.	1114:1111111111111111111111111111111111
Сниомис Агсоногис.	Females.	
ALC	Males.	151411111111111111111111111111111111111
M.	Totals.	
Асите Веляним.	Females.	HIIIIIIII 111 111 111 111 11 1
DE	Males.	[[]]]]]]]]]]]]]
1		
		as, hi, anity, anity, the insane, y system: ry system: ry system: ry system: sis, sis, sis, system:
		l sa sa sa sa sa sa sa sa sa sa sa sa sa
		norce erus, common common common common consis, consistent
		card diseases: Carcinoma of pancre Carcinoma of stomas Carcinoma of stomas Chronic alcoholic insi Epilepsy, Eryappelas, General diseases, Involution psychosis, Manic-depressive insi Pellara, Septiciemia, Septiciemia, Brain tumor, Cerebral syphilis, General hemorrhage General hemorrhage Endoarditis, Arterioselerosis, Bronch op pneumonia, Bronch op pneumonia, Chronic fibroid pith Bronch op pneumonia, Lobar praeumonia, Patricia, Patricontis, Tubercular enteritis, Peritontis, Tubercular enteritis,
		eral diseases:— Carcinoma of st Carcinoma of st Carcinoma of st Carcinoma of st Carcinoma of st Carcinoma of st Carcinoma of st Carcinoma of st Epilepsy. Epilepsy. Fryspleas, Indicion there Indicion there Indicion there Indicion there Indicion there Indicion there Indicion there Indicion there Indicion there Indicion there Indicion there Indicion there Indicion there Indicion the circle Indicion there Indi
		cardinana de cardinana cardinana cardinana cardinana cardinana cardinana cardinana debengan and and and and and and and and and a
		General diseases:— Carcinoma of pance Carcinoma of stomac Carcinoma of stomac Carcinoma of stomac Carcinoma of stomac Carcinoma of stomac Carcinoma of stomac Carcinoma of stomac Carcinoma of stomac Involution psychosis Manic-depressive ins Pellagra, Fellagra, Septictania, Septictania, Carcinomac

12. — Causes of Death and Form of Mental Disease in Persons who died — Concluded.

i i	Totals.	16-11-4-168886 164 84818 14-8 111	116
Totals.	Females.	1701110112014 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	26
H	Males.	111111111111111111111111111111111111111	99
E LIA.	Totals.		47
SENILE DEMENTIA.	Females.	100-11-11111001 111 100111 1111 +111	24
DE	Males.	1111101111150 1:1 11111 0000 111	83
RA.	Totals.	111111111111111111111111111111111111111	н
Pellagra.	Females.		-
PE	Males.		1
	Totals.	111111111111111111111111111111111111111	41
Paresis.	Females.	(-
P,	Males.	1	13
i.	Totala.	111111111111111111111111111111111111111	1
Paranoia.	Females.	1311141111111 111 1111 1111 1111	1
PAI	Males.	1111111111111111111111111	-
TA.	Totals.	111.11111111111111111111111111111111111	16
ORGANIC DEMENTIA.	Females.	11 111 111 11 11 11 11 11 11 11 11 11 1	∞
OD	Males.	1	00
RAIN	Totals.	***************************************	-
GANIC BR DISEASE.	Females.	19111111111111 111 11111 1111	1
ORGANIC BRAIN DISEASE.	Males.		-
T 1	Totáls.	3 (11) (11) (11) (11) (11) (11)	-
Мокрніме Навіт.	Females.	111311111111111111111111111111111111111	-
Mo	Males.	1111111111111 111 11111 1 1111	ī
			•
			•
		em:	
		eas sanity, sanity, sanity, sanity, ry system of the h ry syste nisis, nisis, nisis, nisis, nisis, nisis,	
		rreass nach, insar, ins	
		ral diseases:— Carrinoma of pancreas. Carrinoma of pancreas. Carrinoma of stormach, Carrinoma of stormach, Carrinoma of stormach, Carrinoma of stormach, Carrinoma of stormach, Carrinoma of stormach, Carrinoma of stormach, Carrinoma of stormach, Carrinoma of stormach, Carrinoma of stormach, Carrinoma of the insane, Septicernia, Septicernia, Septicernia, Septicernia, Septicernia, Septicernia, Septicernia, Septicernia, Septicernia, Septicernia, Septicernia, Septicernia, Septicernia, Sesso of the circulatory system: Carrinosclerosis, Carrinosclerosclerosis, Carrinosclerosclerosis, Carrinosclerosclerosis, Carrinosclerosclerosis, Carrinosclerosclerosis, Carrinosclerosclerosis	
		s as a sas. s as a sas. a of a of a of a of a of a of a of a o	*
		ral diseases:— Carrinoma of p Carrinoma of s Carcinoma of s Carcin	Totals,
		General diseases:— Carcinoma of panoreas, Carcinoma of somach, Carcinoma of stomach, Carcinoma of uterus, Chronic alcoholic insanity, Epilepsy, Epilepsy, Erysipelas, General uberculosis, Inantition, Involution psychosis, Manic-depressive insanity Pellagra, Septiferemia, Manic-depressive insanity Sentitiva. Septiferemia, Diseases of the nervous system:— Cerebral styphiis of the insane General paralysis of the insane General paralysis of the insane Cerebral homorrhage, Endoearditis, Cerebral homorrhage, Endoearditis, Fatty degeneration of the hear Myocarditis, Chonto pneumonia, Lobar pneumonia, Lobar pneumonia, Lobar pneumonia, Chronic fibroid phthisis, Pulmonary tulverulosis, Pulmonary tulverulosis, Pulmonary tulverulosis, Pulmonary tulverulosis, Pulmorular entertitis, Peritonitis,	H
		Gen Dise Con	

13. — Duration of Mental Disease and its Treatment in Patients recovered or died.

			First	FIRST ADMITTED TO ANY HOSPITAL.	ED TO A	INY HOS	SPITAL.				ALL	Отнев	ALL OTHER ADMISSIONS.	ONS.	
	DURAT	DURATION BEFORE ADMISSION.	FORE f.	HOSPIT	HOSPITAL RESIDENCE.	DENCE.	WHOL	WHOLE DURATION FROM THE ATTACK.	TION PACK.	WHO PERIOI	WHOLE KNOWN PERIOD OF MENTAL DISEASE.	WN	WH PERIO R	WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.	SPITAL E.
	Males.	Females.	Totala.	Males.	Females.	.slatoT	Males.	Females.	Totala.	Males.	Females.	Totals.	Malea.	Females.	.sletoT
A.— Recoveries:— Under 1 month, From 1 to 3 months, 3 to 6 months, 6 to 12 months, 1 to 2 years, 2 to 5 years, 5 to 10 years, 10 to 20 years, Over 20 years, Total, Total, Totals.	30 30 11 128	7-22221111122222	33. 34. 44. 44. 44. 44. 44. 44. 44. 44.	30 10 11 12 33 30 30 30 30 30 30 3	20026611111 41 41	7.7.2.2.2.1.1.1.1.1.4.1.4.1.4.1.4.1.4.1.4.1	30 30	- 0 - 0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	81 1 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	111111111 41 4	111111111111111111111111111111111111111	112211	100111111 41 4	מ ומוווההאהוו	128211111616
Average of known cases (in months),	.32	2.71 1.08	1.08	4.28 9.28	9.28	5.86	4.61	.12	96.9		50.1	30.16	4.25	14.1	9.72

1121122018	24	24	2.96
11102011	6 1	6	106.5
11	15	15	229.2224.2 90.8
n n 1 1 4 € 5 × 8	24	24	224.2
- 1 - 1 1 1 1 - 6 6	6 1	6	229.2
।।।।।।मलक्ष	15	15	221
24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	90	92	81.2
1641 492	46	47	9.66
4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	44	45	62
255 155 177 177 177	92	92	45.5
373332275	47	47	43.2
1000000	45	45	47.9
20 141 18 18 22 22	90	92	36.5
100112021	46	47	
4070014011	44	45	hs), 14.4 57.6
B. — Died: — Congenital, Under 1 month, From 1 to 3 months, 3 to 6 months, 1 to 2 years, 2 to 5 years, 5 to 10 years, 10 to 20 years,	Total,	Totals,	Average of known cases (in months),







FIFTY-NINTH ANNUAL REPORT

 \mathbf{OF}

THE TRUSTEES

OF THE

NORTHAMPTON STATE HOSPITAL,

FOR THE

YEAR ENDING NOVEMBER 30, 1914.



BOSTON:

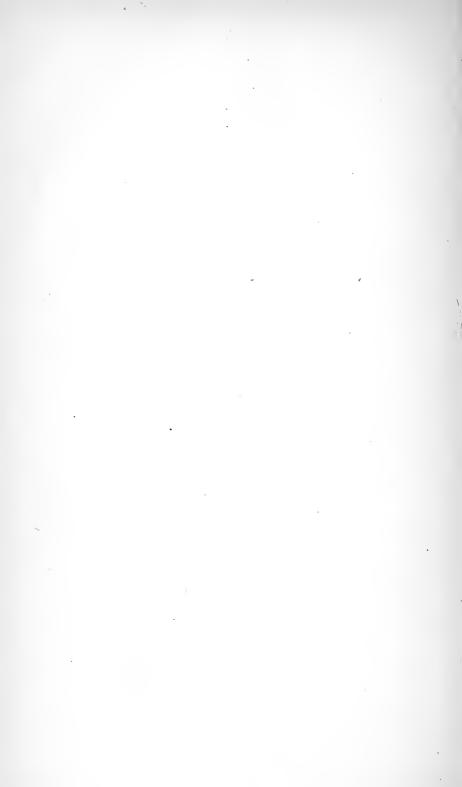
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1915.

APPROVED BY
THE STATE BOARD OF PUBLICATION.

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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

HENRY L. WILLIAMS, Chairman	π,	٠	•	•	•	•	normampion.
CHARLES S. SHATTUCK, .			•				Hat fi.ld.
JOSEPH W. STEVENS, Secretary,							Green field.
EMILY N. NEWTON,							Holyoke.
CAROLINE A. YALE,							Northampton.
LUKE CORCORAN, M.D., .							Springfield.
JOHN McQUAID,							Pitts field.
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EDWARD C. GREENE, M.D.,	•		Assista	nt Pl	ysicio	n.	
B. ANGELA BOBER, M.D.,			As i s t a	nt Pl	ysicio	in.	
ARTHUR N. BALL, M.D., .			Assista	nt Pl	ysicia	in.	
GERALDINE OAKLEY, M.D.,			Assista	nt Pl	ysicio	in.	
JEAN MacLEAN, M.D., .			Assista	nt Pl	ysicia	in.	
HARRIET M. WHITNEY, M.D.,			Phania	ian t	Out	mati.	ent Department.
						•	-
LEWIS F. BABBITT,	•	•	Treasu	rer (o	ffice a	it th	e hospital).
THOMAS H. BUTTERWORTH,							Engineer.
CARL W. HAMMOND, .							Farmer.

SUSAN E. WARREN, . .

The Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital present herewith the fifty-ninth annual report.

An appropriation was made by the Legislature for the maintenance of 900 patients for the fiscal year ending Nov. 30, 1914, but we have had to maintain a daily average number of 929 during this period. This has been possible only by the exercise of rigid economy and by postponing expenditures for muchneeded purposes to the coming year.

Estimates for appropriations for the maintenance of patients are based on past experiences, and at best can be but approximate guesses. The number we have to estimate for is given us by the State Board of Insanity. This likewise is a guess of the number of patients we may have to maintain the coming year. As not infrequently happens, this guess is far enough from the number actually supported as to become a serious matter for the management of the hospital before the end of the year. If the number of patients supported is considerably larger than estimated and appropriated for, some provision should be made for the support of the excess in numbers, in fairness to the hospital and to the patients. An appropriation for contingencies under the control of the Auditor and the State Board of Insanity would probably meet the requirements of the situation.

We have estimated for the maintenance of a daily average of 920 patients for the coming year. These estimates are based on the expenditures for the past few years, except in two particulars. We shall need a larger appropriation for salaries, wages and labor, because we need at least ten more nurses to put our entire nursing force on a six days' service in each week, and shall also require an additional assistant physician. We shall need a larger appropriation for food, because we expect to main-

tain a larger number of people, and especially because the prices of such staple food products as flour, sugar and meats are higher than they were a year ago.

The affairs of the hospital have been well managed during the past year, and little to report has occurred beyond what will be found in the reports of the superintendent and the treasurer, except the damage by fire of one of our farm buildings. On the morning of January 10 fire was discovered in the ell of the main barn. Within a few minutes our employees, with the help of some of the patients, had several efficient streams of water playing on the fire. They held it in check, though the main barn was seriously threatened, till the Northampton fire department came to our assistance, when it was soon under control. We feel under great obligation to the city fire department for their help. Our own employees are deserving of great credit for their prompt response to the alarm and for their efficient work.

The estimated value of the part of the barn destroyed and its contents was about \$2,500. The origin of the fire could not be learned. Repairs have been made entirely by our own employees, except the slating of the roof.

Special appropriations were made by the Legislature of 1914 as follows: —

For the construction of a stable for the farm horses and the repair of the barn that was damaged by fire, the sum of \$9,000; for the purchase of fire pumps and the erection of a pump house, the sum of \$4,000; to provide for the extension of the corridor between the infirmary for women and the main building and for an addition to the first hall for women, \$8,000.

Work on these buildings is well under way. The walls and roof of the stable have been completed; the pump house has been built, the pumps have been placed in position and will soon be ready for use; the foundations for the additions to the women's wards are in place, and much of the material for the completion of these has been purchased and delivered.

The fire in our barn, occurring as it did in midwinter, demonstrated the need of a tower where fire hose, after use, whether at a fire or at fire drill, can be properly dried. The only place where this could be done last winter was in one of the chambers in the basement, where the air coming from outside is heated

for the wards above. This is a very unsuitable place for such a purpose, partly because the hose requires so long a time to thaw and dry, inasmuch as it has to lie stretched out horizontally and hence cannot drain readily, and partly because in this place it is so inaccessible in case of need. It seems advisable that we have a tower for such purposes, and, in connection with this, a house for the hose wagons and for the ladder truck, to make them available for instant use. With the approval of the State Board of Insanity, we have had plans for such a building made and estimates of the cost submitted, and shall ask the Legislature of 1915 for a special appropriation of \$4,000 for this purpose.

We renew our request for a special appropriation of \$20,000 for the purchase of land for the purpose of establishing a colony or branch institution in order to relieve our overcrowded condition. Your attention is respectfully called to what was said about this matter in our last annual report. The increase in admissions of patients and in the numbers maintained has continued. Since the last building at this institution for the care of patients was finished and occupied, in 1905, the State Board of Insanity has transferred to the asylums at Worcester, Medfield and Gardner more than 500 patients, 61 in the year just ended. To be sent to these asylums is a hardship to patients and relatives, because they are farther from their homes in all but a few cases than they were at Northampton.

Such a branch institution as we have recommended would care for them much nearer their homes and fully as economically as in the asylums mentioned. We realize that to undertake this will mean increased work and responsibility; it is much easier for us to allow the State Board of Insanity to relieve our overcrowded condition by frequent transfers, but believing the establishment of a colony somewhere in Berkshire County to be best for the citizens of the four western counties and for the patients of the district, we are willing to undertake this project if it meets the approval of the State Board of Insanity and is authorized by the Legislature.

We call your attention to our insufficient accommodations for employees, and the urgent need of more room for both office work and for sleeping accommodations for officers, nurses, domestic help and farm help. We have had no increase in the number of rooms available for sleeping quarters for employees since the nurses' homes (which are in reality the upper floors of each of the infirmary buildings) were opened in 1904 and 1905. Our force of employees, at that time about 140, has increased to 180, with the prospect of further increase in the near future. We have not room enough for either class of employees. For every additional nurse that comes a room must be taken that is now occupied by a patient. We have not room enough for sleeping quarters for our physicians and officers nor working space in the offices for clerks and stenographers. We have called the attention of the State Board of Insanity to these needs, but have been advised by the Board not to request an appropriation for this purpose this year.

There have been several changes in our medical staff during the past year. On May 1, 1914, Dr. Dean resigned to engage in private practice after a faithful service of fourteen years. Dr. Edward C. Greene was appointed first assistant in his place, and entered our service June 9, 1914. He had previously had seven years' experience at the Pontiac, Mich., State Hospital and three years at the Norfolk State Hospital. Dr. Charles E. Perry resigned in June to accept the position of superintendent of the recently established Hampshire County Sanitarium. On June 1, 1914, Dr. Jean MacLean, who served here several months in the summer of 1912, and again in the summer of 1913, was appointed to a position on the staff.

We have met as a Board at the hospital every month to inspect the institution and to transact whatever business should come before the Board. Many informal visits to the hospital have been made by individual members of the Board. Since August we have appointed a committee of two to make a visit between our regular monthly meetings in order to comply with changes in the laws enacted by the Legislature of 1912.

HENRY L. WILLIAMS.
CHARLES S. SHATTUCK.
JOSEPH W. STEVENS.
EMILY N. NEWTON.
CAROLINE A. YALE.
LUKE CORCORAN, M.D.
JOHN McQUAID.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State, Haspital.

The following report of the affairs of the hospital is respectfully submitted. The statistics concerning patients are for the year ending Sept. 30, 1914; all other matters are for the fiscal year ending Nov. 30, 1914.

On Oct. 1, 1913, there were 909 patients under our care; 403 were admitted during the following year; 45, who were out on trial visit at the beginning of the year, were nominally admitted for discharge; 415 were dismissed or died; 942 remained at the end of the year.

The whole number under treatment was 1,312, 29 more than in the previous year. The daily average number cared for, 932, was 39 larger than in 1913. The largest number on any one day was 952.

Sixty-eight cases were admitted under the temporary care act. Of these, 59 were regularly committed, 8 were discharged before the expiration of seven days, and 1 remained in the hospital at the end of the year, the seven-day period not having expired.

Eighteen of the patients admitted were voluntary cases, 4 of whom had been patients here previously. Seven of them were not insane. Of the others, 4 were discharged to be regularly committed.

As usual a much larger number came from cities and large towns than from rural communities. Districts near the hospital send a relatively larger number of patients than districts farther away. The figures for the present year agree closely with those in past years. Of the admissions, Hampshire County sent 1 in every 977 of its estimated population; Hampden County, 1 in every 1,172; Franklin County, 1 in 1,249; and Berkshire County, 1 in 1,543.

The most frequent causes of insanity in those admitted were congenital defect, intemperance, senility, heredity, arteriosclerosis and syphilis.

A large proportion of the admitted cases, 249 in number,

were of forms of insanity unfavorable for recovery, — cases of organic brain disease, epilepsy, paresis, senility and mental deficiency.

The average age of all patients admitted was 43.37 years.

Of the patients who were dismissed, 61 were transferred by the State Board of Insanity to asylums in the eastern part of the State, to relieve our overcrowded condition; 32 were discharged as recovered; 38, as capable of self-support; 43, as improved; 40, as unimproved.

Ninety-six patients died during the year, 7.3 per cent. of all cases under our care, being a low death rate for such an institution. Only 3 of these had an acute form of mental disease. The principal causes of death were apoplexy in 23 cases; senility in 22 cases; paresis in 6 cases; endocarditis in 5 cases; tuberculosis in 4 cases; organic brain disease in 4 cases. Old age, with its attendant diseases, was the cause of the largest number of deaths. The average age of those who died was sixty-two years. Fifty-five of those who died, 57 per cent., were over sixty years of age; 15 were over eighty years of age.

One patient died of pellagra, making six of our cases in the past four years who have had this disease.

By a very satisfactory provision of law, chapter 505, section 75, Acts of 1909, we may release patients who are not fully recovered, but whose recovery might be promoted under another environment. Such patients may remain away from the hospital on probation for a period of six months if advisable. By frequent reports to the hospital of the patient's condition, and in some cases by personal interviews, it can be judged whether full discharge is warranted, or whether a return to the hospital is advisable.

Under the provisions of this act we released 180 patients the past year to the care of their relatives or friends, of which number 77 were discharged at the end of the probation period, 25 were returned to the hospital for further care and treatment, and 78 were still out on probation at the end of the year.

The out-patient and after-care service, begun in a moderate way several years ago, mentioned more specifically in our report of 1910, and formally undertaken in 1911 by the employment of an assistant to give special attention to this service, has developed beyond our first expectations. The more we do, the more we find to do. Physicians, social workers and relatives have asked Dr. Whitney, our assistant, to see a larger number of patients not inmates of the hospital than ever before. This is in addition to her regular duties, namely, the selection of homes where patients may be placed in family care; the placing of such patients in families and their supervision while away from the hospital; the visiting of patients who are away on probation: the investigation of home conditions with a view to the release on probation of patients not fully recovered; the visiting of patients who have been discharged, to encourage them and in some cases to help them secure employment; the calling on relatives of patients who are still in the hospital, to acquaint them of the patient's condition, a service much appreciated by the relatives; the investigation of the history of recently committed patients, and kindred service.

There were 35 patients cared for in private families during the past year. To one unacquainted with the difficulties connected with this work, it might seem possible to care for a larger number than this. These difficulties are the selection of patients suited to family care, and the finding of homes where we are willing to place them. The majority of patients who could get along well in family care, and who would be benefited thereby, have homes of their own where they are welcome as soon as they are able to leave the hospital. Not infrequently patients who have been selected have refused to leave the hospital. We had four such cases during the past year; one woman purposely made herself so disagreeable to the woman with whom she was boarding that we had to yield to her wishes to return to the hospital; two patients who were thought suitable, because of their hospital record, became much disturbed when preparations were being made for their leaving the hospital, one becoming physically ill and not having yet sufficiently recovered to leave the hospital; one had a cerebral hemorrhage on the train while going to the boarding place and had to be brought back to the hospital. Many of the cases, who would otherwise be quite suitable for care in private homes, are too old. They require so much personal attention that no one will take them at the rate of board we may pay.

Of the homes that were found willing to receive patients, three were desirable, but the caretakers asked for patients who could pay from \$5 to \$25 per week. Several places were rejected for various reasons: because of the untidy condition of the house; because of immoral conditions existing in the family; because of the presence of other boarders; and because of their distance from the hospital or from other boarding places, which would greatly increase the expense of visiting patients placed in them.

We have recently extended this service with the hope of making the hospital more useful to the district it serves by establishing free clinics in Greenfield, Springfield and Pittsfield, with the encouragement of the State Board of Insanity. The managers of the Franklin County Hospital in Greenfield and of the House of Mercy in Pittsfield have invited us to make use of rooms in their hospitals for this purpose, and the superintendents of these hospitals, Miss Sweeney and Miss Marcy, have been very helpful to us. At Springfield we have been granted the use of the house of the Springfield Academy of Medicine. Physicians in the vicinity of these places have expressed their approval of our undertaking, and have accorded us hearty co-operation.

These clinics have been freely attended by persons who come of their own accord or with relatives or physicians; by patients out on parole, who have come to them to report their condition; and by relatives of patients in the hospital, who have come to make inquiries about them. We have been able to give advice in several cases that has obviated the necessity of the patient's being committed to the hospital.

In a few cases we have advised voluntary commitment to the hospital for a short period of treatment, and this has been followed. Some cases who come to discuss their symptoms seem relieved and encouraged after having told all about themselves to "some one who understands." Not the least benefit is the comfort and satisfaction of relatives in hearing directly about their patient at the hospital from one who has the care of the patient, and a more cordial feeling toward the hospital is thus engendered.

Our experience has demonstrated the urgent need of provision

for segregating the defective delinquents, so called. The opposition on the part of the law-making bodies to making such provision is because of the expense involved, but economy is not the withholding of necessary expenditure. To maintain the defective delinquents in segregation is far more economical than to support them at liberty, with the added care of the offspring with which they burden the State.

Within a few weeks Dr. Whitney and myself have been consulted with reference to eight patients of this type, six being girls between the ages of fifteen and twenty-three. All of these admitted having maintained immoral relations with men; two had each borne one illegitimate child; one had borne two; another was about to become a mother. Another girl of 23, who was a patient at this hospital four years ago, has given birth since leaving here to two illegitimate children and is about to give birth to a third.

These girls are manifestly defective and need institution care, but there is not room for them at the schools for feeble-minded at present, even if they could be sent there, and the physicians who have seen them are not willing to certify that they are insane, yet declaring that they should be placed in some institution.

We have added to our corps of officers a dietitian, Miss Euphemia Cameron, whose duties in brief are, as her title implies, to supervise the dietaries. By rearranging them so that they are changed each week, no one, patient or employee, now knows what is to be the bill of fare for the day; and by suggesting new combinations, the same foodstuffs give better satisfaction than before. An important part of her duties is to supervise the distribution of the food in the dining rooms and to teach the nurses to keep a watchful oversight of the waste. She, also, as a part of her duties, is to give instructions to the nurses in cooking for invalids.

The year has been filled with many and varied activities.

A cement walk has been laid from the front door to the little gate at the entrance to the grounds, a distance of 1,425 feet. The lines of the old walk were straightened and a better grade was established. The work of excavating, grading and mixing the cement was done by patients, and several of them, who

have become quite skillful in cement work, aided in leveling and surfacing the walk. A dam of cement was built at the ice pond, to control the stream supplying the pond so that it could be diverted in time of freshet, thus preventing gravel from overflowing the ice, as has frequently happened in former years, making much extra work.

The ell of the barn damaged by fire has been repaired.

The grading and foundations for the fire pump house and for the new stable were done largely by patients, and thereby the cost of erection was considerably reduced.

A third Heine boiler was installed early in the year.

A new 14-inch steam pipe was put in place from the boilers to the distributing head in the old laundry, replacing the old one, which was too small.

The old lighting fixtures on the first and second halls on the south wing have been replaced by fixtures near the ceiling equipped with tungsten lamps, providing better lighting of the halls, with a smaller consumption of current.

The old fire pump in the engine room, which had become so worn as to be useless as a fire pump, and which latterly was used to fill the pressure tank for food elevator service, was replaced with a more modern pump, and a new pressure tank was installed in place of the old one, which had deteriorated to the point of being dangerous.

A new 6-inch steam main to the fire pumps, 320 feet in length, was laid.

Extra radiators were placed in several halls which were found rather difficult to heat in extremely cold weather.

A new 4-inch pipe-cutting machine was installed in the machine shop.

Extensive repairs and alterations have been made in the brick house where the engineer lives, in the house at the gate, remodeled for the first assistant physician and his family, and in the brick house on the lot on Earle Street, made over for the use of the storekeeper.

The iron fence on each side of the highway that bounds the hospital grounds for a length of 6,617 feet was scraped of rust and repainted.

Much painting has been done on the wards, and many bedsteads have been repainted. In all these operations the patients have taken an active part. They are glad to help, not only for the joy of accomplishing something useful, but because it is a pleasure to be where something is going on and to be with sane people. Every year it has been our experience that recovery in convalescent patients has been promoted by such activities and associations. As a part of their treatment they have also been employed in all the departments of the hospital to their individual advantage, and also to the welfare of all the patients as a body. As frequently mentioned in former reports, they help in the wards, dining rooms, kitchens, bakery, laundry, sewing and mending rooms, at the shops, with carpenters, painters, electricians and mechanics, at the barns, on the farm, and in the gardens. They made all the mattresses, brooms and tinware used here, many of the garments and much of the bedding.

To teach and encourage patients who cannot engage in the routine work, we have had two instructors in industries. These industries include basketry, knitting, crocheting, rug making, and the like. The classes have been held in the former "gymnasium," now rechristened the industrial room. Not all that goes on there is work, however, for play enters into the scheme, and certain hours are devoted to games. One of the teachers devotes considerable time also to teaching nurses and patients on the wards.

A sewing circle was formed by some of the officers and patients, who have met once a week in the afternoon for a little work, a little gossip and a little tea, like sewing circles elsewhere.

Occupation is generally recognized as a potent means of treatment of mental diseases; no less useful are amusements and entertainments. Assemblies of patients were held as follows: on December 1, a vocal recital by Miss Margaret Woods; December 25, a Christmas tree and concert; January 3, play by hospital employees; March 13, "The Deacon's Second Wife," by the young people of North Hadley; April 17, music and legerdemain by Mr. Harrell; April 22, play by young people of the Edwards Church; September 14, musical by the Misses Woods; October 19, music and readings by Mr. Paine and Mr. Morris; October 30, Hallowe'en party; November 19, Warren Richards, humorist.

Besides these there were motion pictures on 25 evenings; dancing on 22 evenings; readings by some member of the staff on 18 evenings; a graphophone concert on 1 evening.

During the warm months of the year baseball games were played once or twice a week, and picnics for some of the patients were occasionally held. During the winter months coasting parties and card parties were of frequent occurrence.

We have a good library, from which about 1,500 books were taken, and many magazines are subscribed for by the hospital in addition to many that come to individual patients.

Religious services have been held every Lord's Day, — for Catholic patients in the morning and for Protestants in the afternoon. These services are well attended and are much appreciated by the patients. The singing at these services is by a choir of officers and patients.

Friends of the patients and of the hospital often send gifts to make the life of the patients more cheerful. We are indebted to the following persons for their thoughtfulness, and take this occasion to express our gratitude: to Mrs. Crossin of Pittsfield, Mrs. Parker of Northampton and Mrs. Egbert of Springfield for gifts and money for the Christmas tree; to Mrs. C. E. Williams, Mr. E. H. Amidon, Mr. D. J. Simison, Mr. O'Brien, Mr. Abbott, Mrs. E. S. Ross, Mrs. B. Douglas, Mrs. Louis Graves, Miss Gorham, Miss Helen F. Maynard and Messrs. Bridgman and Lyman for books and magazines; to a friend for six books for the library.

"The Christian Science Monitor," "Greenfield Recorder," "Dumb Animals," "Christian Register" and "The Healthy Home Quarterly" have been regularly received. We thank the publishers for so thoughtfully sending copies of their publications, which are well liked by our patients.

JOHN A. HOUSTON,

Superintendent.

ARTICLES MADE IN SEWING ROOM.

Aprons,		549	Napkins, hemmed, 312
Aprons, kimono, .		15	Nightgowns, 1,079
Bathrobes,		31	Nightdresses for baby, 3
Binders,		63	Pads, 28
Bloomers,		15	Pads for baby, 2
Bureau covers, .		312	Petticoats,
Caps,		399	Petticoats,
Chemises,		39	Pillow cases, 1,440
Clothes bags,		80	Pillow ticks, 89
Coats altered, .		8	Rugs bound, 131
Combination garmen	ts,	3	Sausage bags, 4
Corset covers, .		150	Separator covers, 8
Covers for machines,		3	Sheets, 1,852
Curtains, shade, .		139	Shirts, 1,013
Curtains, sash, .		89	Shirt waists, 40
Curtains, muslin, .		20	Skirts, dress, 15
Curtains, hemmed,		28	Skirts altered, 27
Curtains, screen, .		37	Sofa pillow tops, 2
Cushions,		6	Stand covers, 322
Cushions covered,		2	Sterilizing squares, 24
Diapers,		48	Strainers, lard, 8
Drawers,		129	Suit altered, 1
Dresses,		301	Tablecloths, 172
Dresses for baby, .		6	Towels, 6,491
Dresses altered, .		51	Tray cloths, 397
Extractor covers, .		12	Trousers altered, 92
Holders,		387	Vests altered, 4
Laundry bags, .		129	Waists altered, 3
Mattress ticks, .		41	Articles repaired, 43,120
Milk cloths,		108	

PRESERVING DONE IN KITCHEN DEPART-MENT.

Blueberries, quarts,	250	Plumbs, quarts, 160
Brandied fruit, quarts, .	8	Quince, quarts, 40
Cherries, quarts,	40	Quince jelly, glasses, 20
Citron, quarts,	30	Rhubarb, quarts, 185
Citron sweet pickle, quarts,	14	Raspberries, quarts, 35
Chili sauce, gallons,	16	Raspberry jelly, glasses, 30
Currant jelly, glasses, .	135	Strawberries, quarts, 95
Currant jelly, quarts, .	16	Tomatoes, quarts, 496
Crab apple jelly, glasses, .	125	Tomato chopped pickles, gal-
Gooseberries, quarts, .	41	lons,
Grape jelly, glasses,	73	Pepper hash, quarts, 30
Grape juice, quarts,	12	Canned red peppers, quarts, . 2
Mustard pickle, quarts, .	24	Cucumbers, salted, barrels, . 2
Peaches, quarts,	73	Cucumbers, pickled, barrels, $1\frac{1}{2}$

WORK DONE IN INDUSTRIES DEPARTMENT.

Hair mattresses made, old hair, new ticks,				12
Hair mattresses made, old hair, old ticks,				807
Hair pillows made, new material,				2
Hair pillows made, old hair, new ticks, .	٠.			50
Hair pillows made, old hair, old ticks, .				303
Feather pillows made, old ticks,				39
Shoes soled, pairs,				391
Shoes heeled, pairs,				428
Brooms made,				248
Whisk brooms made,				66
Chairs caned,				46
Baskets made,				76

OFFICERS AND EMPLOYEES.

[Period of service, Nov. 30, 1914.]

Names.	Years.	Months.	Days.
John A. Houston, M.D., superintendent, Edward C. Greene, M.D., assistant physician, B. Angela Bober, M.D., assistant physician, Harriet W. Whitney, M.D., assistant physician, Arthur N. Ball, M.D., assistant physician, Geraldine Oakley, M.D., assistant physician, Jean MacLean, M.D., assistant physician, Louis F. Babbitt, treasurer, Burton G. Fiske, supervisor, Alice E. Bedell, superintendent of nurses, Susan E. Warren, matron, Jane Dolan, secretary to superintendent, Euphemia Cameron, dietitian, Carl W. Hammond, farmer, William J. Moore, steward, Ord Thomas, assistant steward, Frank L. Bardwell, assistant steward, Rachel C. Packard, stenographer, Lucy Kimball, stenographer, Lucy Kimball, stenographer, Susan E. Norton, clothes marker, Leon E. Bruce, baker, Arthur L. Hubby, assistant baker, George W. Thorniley, florist, Thomas Butterworth, engineer, William Day, assistant engineer, Francis Pond, assistant engineer, Francis Pond, assistant engineer, Francis Pond, assistant engineer, Grover Wentzel, assistant engineer, Francis Pond, assistant engineer, Samuel Clark, fireman, Grace Thomas, seamstress, Margaret Tcbin, seamstress, Margaret Tcbin, seamstress, Margaret Tcbin, seamstress, Margaret Tcbin, seamstress, Charles E. Williams, laundryman, George Begor, assistant laundryman, George Begor, assistant laundryman, George Begor, assistant laundryman, George Begor, laundress, Ella Oakes, laundress, Ellen Moore, laundress, Catherine Shea, laundress, Hattie Tyler, laundress, Laundress, Hattie Tyler, laundress,	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	7 21 2 17 - 15 29 18 15 20 8 10 6 - 13 9 23 - 18 11 17 29 24 17 5 2 15 5 - 13 23 20 29 9 27 2 29 23 26

Names	3.						Years.	Months.	Days.
Mary Wright, laundress, .							_	9	14
Emma Billings, usher,			•	•	·	١.	3	10	7
Mag Stateon ushor		•	•	•	•	.	_	1 1	22
Mae Stetson, usher, Alice Campbell, housemaid,		•	•			. 1	2	5	12
Ance Campben, nousemand,			•	•	•	.	1	$\begin{bmatrix} 3\\2 \end{bmatrix}$	26
Jennie Ferguson, housemaid B. May LaFleur, housemaid	,		•	•	•	.	1	1	$\frac{20}{24}$
B. May Larleur, nousemaid	ι,		•	•	•	.	_	$\frac{1}{2}$	29
Jennie McCloud, housemaid		-	•	•	•		_		
Stella Nelson, housemaid, .		•	•	•	•	.	-	6	7
Mary Murphy, center dining	g roc	om,			٠		1	7	3
Josephine O'Neil, center din	ing i	roon	1,			.	1	6	21
Agnes Cerivonka, kitchen m	iaid,					.	_	11	11
Katherine Prosciak, kitchen	mai	id,					1	10	15
Victoria Ridgeck, kitchen m	aid,						2	3	2
Mary Shea, kitchen maid, .							-	9	5
Anna Thomas, kitchen maic	l,					.	-	9	20
Anna Thomas, kitchen maic Margaret Recal, kitchen ma	úd.							_	10
Frank Bardwell, kitchen,	,						1	1	3
Frank W. Stetson, kitchen,			•	-	-	-	_	1	22
Dennis Tyler, kitchen,		•	•	•	•		_	î	4
		•	•	•	•		4	7	8
Josie Hurd, cook, Katherine Ridgeck, cook,	•	•	•	•	•		$\dot{\overline{2}}$	6	$2\overset{\circ}{2}$
Engl Aldrich nurse	•		•	•	•	•	$1\overline{4}$	11	18
Fred Aldrich, nurse,	•	•	•	•	•	•		4	5
Alec Anderson, nurse, . Alexander Beaton, nurse,		•	•	•	•	•	9	4	14
Alexander Deaton, nurse,		•	•	•	•	•	<i>9</i>	6	1
Veit Bergmann, nurse,		•	•	•		•	1	7	17
David L. Bowe, nurse, George M. Clark, nurse,		•	•	•	•	٠	$\frac{1}{2}$. 8	9
George M. Clark, nurse,	•	•	•	٠	•		_	2	15
Amos Demers, nurse, .	•	•	٠	•	-	٠	_	$\frac{2}{6}$	9
Gustav Dill, nurse, Edward Donnelly, nurse, Leroy Ducharme, nurse,	•		٠	٠	:		_		$\frac{9}{22}$
Edward Donnelly, nurse,	•		٠	•	•	٠		3	14
Leroy Ducharme, nurse,			•	•		•	_	_	
			•	٠	•		_	1	15
	٠,		•	٠	•		1	5	21
				-			_	1	16
						-	3	6	30
		-						1	24
Axel Gustafson, nurse,							4	6	30
Charles Hannum, nurse, Matthew Hudson, nurse,							-	7	20
Matthew Hudson, nurse,							3	6	17
James Joy, nurse, .							2	11	4
James Joy, nurse, George H. King, nurse,							1	6	16
							3	2	20
Talan Tanadalin managa							_	6	20
Charles Lyons, nurse, .							_	1	9
Charles Lyons, nurse, . James McCaffrey, nurse,							_	3	19
Michael McCaffrey, nurse,							5	_	2
James McAuley, nurse,							-	6	22
Jack MacLean, nurse, .							_	5	25
							_	8	23
John McGough, nurse, William L. McCrillis, nurse								2	20
James O'Donnell, nurse	,						_	$\bar{2}$	8
James O'Donnell, nurse, John O'Donnell, nurse,							_	$\overline{6}$	15
					·				

Nam	ES.						Years.	Months.	Days
Charles M. Pease, nurse,							8	6	6
Fred Pierce, nurse, .	•	•	•	•	•	•	ĭ	. 3	_
Laurence Deber nurse	•	•	•	•	•	•		2	20
Lawrence Robar, nurse,	•	•	•	•	•	•	1	1	1
Leigh Stewart, nurse, .		•	•	•	•	•	î	1	î
		•	•	•	•	•	_	$\begin{vmatrix} 1 \\ 4 \end{vmatrix}$	5
Harry Sthal, nurse, Lawrence Tierney, nurse,	•	•	•	•		•	1	7	12
Lawrence Tierney, nurse,	•		•	•		•	_	6	16
Frank S. Tripp, nurse,	•	•	•	•		•	$\frac{-}{3}$	7	12
William A. Wood, nurse,	•	•	•	•	•	•	$\frac{3}{1}$	3	13
L. Elmer Palmer, nurse,	٠	•	•		•	•	-1	0	26
Patrick Kennedy, nurse,			•	•	•	•	_	-	20
	•	•	•	•	•		_	i -	17
Lewis Warren, nurse, .	•	•	•	٠		•	_	_	
John Martin, nurse,	٠	٠	•				_	_	7
Herbert Collier, nurse, Goldie Bickford, nurse,		•	•	•	•	•		_	6
Goldie Bickford, nurse,			•	•			6	2	10
Lena Burns, nurse, .					•	٠		5	12
						•		6	8
Mary G. Davis, nurse,							1	1	20
Alice Deslauriers, nurse,							_	2	19
Clara Deslauriers, nurse,							1	6	4
Elizabeth Dutcher, nurse,							_	1	15
Marion F. Ellis, nurse,							_	1	22
Isabel Ferguson, nurse,							1	2	1
								5	28
Charlotte Hall, nurse, .							_	2	13
Ellen Hagerty, nurse, Margaret Hagerty, nurse,							_	2	29
Margaret Hagerty nurse							_	2	29
Sybil Hallock, nurse, .							_	3	15
Florrie Horton, nurse,							2	-	24
Florrie Horton, nurse, Jessie Jones, nurse, Blanche MacLean, nurse,							_	1	16
Blanche MacLean, nurse,							1	1	18
marion macray, nurse,							2	4	26
Effie Mahy, nurse.							10	4	24
Nellie Marshall, nurse, Catherine Parker, nurse,								1	23
Catherine Parker, nurse.							_	7	_
Mary Roche, nurse,								5	22
Sadie Sharpe, nurse, .							1	4	17
Olive P. Slater, nurse, .	Ĭ							2	15
Bess Stingel, nurse, .	•	•	·	Ċ			_	9	18
Gwendolyn Stingel, nurse,	•			Ċ	Ċ	Ĭ.	¦ _	8	18
		•	•	•	·	•	_	i	15
Lillian Stewart, nurse, Martha Stewart, nurse, Flora Tripp, nurse,	•	•	•	•	•	•	_	Î	15
Flora Tripp, nurse,	٠	•	•	•	•	•	_	6	17
Mary Walsh, nurse, .		•		•	•		1	1	16
Mahel Wood nurse				•	•	•	7	Î	18
Mabel Wood, nurse, . Annie Palmer, nurse, .	•	•		•	•		2	1	$\frac{10}{22}$
Stella Perry, nurse,	•		•	•	•			_	29
Mariam Clement, nurse,		•	•	•	•		_	_	$\frac{29}{20}$
Puth F Rates numes	•	•			•				19
Ruth E. Bates, nurse, . Elizabeth Smith, nurse, Mabel Bond, nurse, .		•			•	•			7
Mobel Rond numes				•	•	•			29
madel Dona, nurse,							_	_	29

Names.						Years.	Months.	Days.
Edith Yarranton, nurse, .						_	_	2
John J. Bradley, laborer, .						6	6	18
Thomas P. Clair, plumber, .						16	7	_
Albert DeGrandpre, carpenter,						9	10	_
Ernest Holmes, painter, .							7	4
William LaSalle, carpenter,						3	10	2
Arthur Lee, painter,						3	6	10
Henry Maynard, carpenter,						6	5	22
Roscoe Tobin, plumber, .						12	-	28
Walter M. Tower, carpenter,					.	36	10	_
David R. Burns, farmer, .					.	-	9	14
George Burt, farmer,						-	7	8
Herbert Clark, farmer, .						1	7 5 1	
James Denny, farmer,					.	6		24
Xavier Dion, farmer,					.	21	5 7	16
Jake Drozdial, farmer, .					.	-	7	9
Steve Ghlenok, farmer, .					.	-	8 5	15
Frank Hurd, farmer,					.	5	5	10
Fred Kempker, farmer, .					.	3	7	_
Paul Maynard, farmer, .						1	11	16
David Mercier, coachman,						37	9	13
William O'Hare, farmer, .					. i	_	4	20
Alfred Owen, farmer,					.	5	9	13
Martin Ridgeck, farmer, .					. [- 1	5	28
Frank Sanborn, farmer, .						7	6	$\overline{22}$
Frank Smith, farmer,						3	8	$\overline{10}$
John Smith, farmer,						_	5 6 8 7 3 7	$\tilde{25}$
Walter Streeter, herdsman,						11	3	1
Howard Tyler, farmer, .						1	7	$1\overline{5}$
James Tyler, farmer,						_	8	6
Charles Ulrich, farmer, .			į			_	8 6	18
Joseph Young, farmer,						_	7	$\frac{10}{2}$
observation, ranning,	-	•	• •	•				-

FARM PRODUCTS.

Apples, 352 barrels, .							\$704	
Apples, crab, 3 barrels, .								45
Asparagus, 3,852 boxes,							428	00
Beans, shell, 184 bushels,							156	
Beans, Lima, improved, 116	bus	neis,					185	
Beans, string, $276\frac{1}{2}$ bushels,							235	03
Beef, cow, 6,889 pounds,							620	01
Beef, cow, 6,889 pounds, Beef, steer, 11,836 pounds,							1,479	50
Beets, $268\frac{1}{2}$ bushels, .							161	10
Beet greens, $135\frac{1}{2}$ bushels,							54	20
Broilers, 406 pounds, .							109	62
Broom brush and seed, 4,550	oq C	unds,					364	00
Brussels sprouts, 400 quarts							44	00
Cabbage, 24 tons,				. `			312	00
Carrots, 175 bushels, .							105	00
Cauliflower, 52 boxes, .							28	60
Celery, 273 boxes,							204	75
Chard, $19\frac{1}{2}$ bushels, .							7	80
Cherries, 612 quarts,							73	44
							252	84
Cider, 602 gallons, Citron, 1,500 pounds, Corn, green, 526½ bushels,							90	30
Citron, 1,500 pounds, .							15	00
Corn, green, $526\frac{1}{2}$ bushels,							315	90
Cucumbers, 207 boxes, .							207	00
Cucumber pickles, 16½ bush							23	10
Currants, 610 quarts, .							30	50
Eggs, $2.534\frac{1}{2}$ dozens, .							633	63
Egg plant, 16 barrels, .							60	00
Fodder, ensilage, 520 tons,							2,600	00
Fodder, green corn, 104 tons	з,						520	00
Fowl, $591\frac{1}{2}$ pounds, .							100	56
Croosenerries, 804 quarts.							80	40
Grapes, 256 pounds, .							10	24
may, first crop, 334 tons,							7,345	50
Hay, second crop, 41 tons,							410	00
Ice, 952 tons,							2,856	00
Amount carried forward	,					. \$	20,826	47

$Amount\ brought\ forward$, .				\$20,826	47
Lettuce, 594 boxes, .					148	50
Lumber, 6,500 feet, .					162	
Lumber, 6,500 feet, Mangel-wurzel, 243 bushels,						75
Manure, 375 cords, .					2,250	
Milk, 308,463 quarts, .					17,479	
Mint, 16 bushels,					•	40
Mint, 16 bushels, Muskmelons, 280 crates, Onions, 332 bushels, .					280	00
Onions, 332 bushels, .					199	20
Parsley, 11 bushels, .					3	85
Parsnips, 230 bushels, .					149	50
Pears, 5 bushels,					3	75
Pears, 5 bushels, Peas, $63\frac{1}{2}$ bushels,					127	00
Peppers, 21 bushels, .					10	50
Plums, 448 quarts,					14	00
Pork, 37,824 pounds, .					4,538	88
Potatoes, 3,750 bushels,					2,062	50
Pumpkins, 3,975 pounds,					,	63
Quinces, $3\frac{1}{2}$ bushels, .					6	13
Radishes, 206 dozen bunches	, .				82	40
Raspberries, 171 quarts,					30	78
Raspberries, 171 quarts, Rhubarb, 16,150 pounds,					161	50
Rye, unthreshed, $7\frac{1}{2}$ tons,					153	75
Salsify, 17 bushels, .					18	70
Spinach, 442 bushels, . Squash, summer, 97 barrels,					154	70
Squash, summer, 97 barrels,					58	20
Squash, winter, 29 tons,					580	00
Strawberries, 4.725 quarts.					567	00
Tomatoes, green or ripe, 513	bushels	, .			513	00
Turnips, 543 bushels, . Watermelons, 12,028 pounds,					543	00
Watermelons, 12,028 pounds,	, .				150	30
Wood, 41 cords,					164	00
Sales: —						
Cows and calves,					412	00
					352	64
Pigs and hogs,					34	00
Vegetables,						50
Sundries,					237	24
Total farm product,					\$52,602	84

VALUATION.

	F	REAL	Est	гате.			
Grounds and building sites,	23	acres	,			\$4,861 20	
Woodland, 93 acres, .						19,655 55	3
Mowing, 110 acres, .						23,248 50	
Pasturage, 185 acres, .						39,099 75	5
Tillage, 100 acres, .						21,135 00)
Hospital building, .						616,619 00)
Farmhouse,						2,000 00)
Brick house,						2,000 00)
Three dwellings,						5,500 00)
Cold storage,						30,000 00)
Two barns,						5,500 00)
Cow stable,						13,000 00)
Horse stable,						6,000 00)
Lumber shed,						850 00)
Piggery,						3,000 00)
Cart shed,						400 00)
Pump house,						400 00)
Paint shop,						2,039 00)
Laundry,						40,353 00)
Cook house and barn, .						2,500 00)
Bradley house,						1,000 00	
Burnett house,						1,700 00)
Total real estate, .							- \$840,861 00
	PE	RSONA	ır]	Estat	E.		
Food,						\$8,581 17	7
Clothing,						5,567 67	
Furnishings,						40,617 98	3
Heat, light and power,						5,208 21	
Repairs and improvements						5,049 13	
Farm, stable and grounds,						44,621 32	
Miscellaneous,						2,960 01	
							- \$112,605 49

	STAT	EMENT	OF	Fun	DS.				
On hand, Nov. 30, 1913	, .					\$2,837	76		
Receipts,						1,961	96		
								\$4,799	72
Refunded,								1,974	11
Balance on hand N	ov. 30), 1914	, .		٠			\$2,825	61
									•
	Fr	ed B. F	Kelly	$_{I}$ Fun	d.				
Balance, Nov. 30, 1913,						\$759	30		
Income,						13	94		
								\$773	24
Expended for tobacco,								104	68
Balance on hand I	Nov	30 10	14	in th	οN	orthamn	ton		
Institution of Sav		,	,			_		\$668	56

TREASURER'S REPORT.

To the Trustees of the Northampton State Hospital.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1914:—

Balance Dec. 1, 1913,	Ca	sh Account.				\$4,650	04
		Receipts.					
Institution Receipts.							
Board of inmates: —							
Private,		\$35,239	35				
Reimbursements, insane,		14,287 1	10				
			_	\$49,526	45		
Sales: —							
Food,		\$289 (08				
Clothing and materials, .		301 8	85				
Furnishings,		2 (00				
Heat, light and power, .		9	95				
Miscellaneous,		221 4	17				
Farm, stable and grounds: -							
Cows and calves, \$412	00						
Pigs and hogs, . 34	00						
Hides, 352	64						
Vegetables, .	50						
Sundries, 237	24						
·		1,036 3	38				
				1,851	73		
Miscellaneous receipts: —							
Interest on bank balances,		\$150	25				
Rent,		37 8	50				
Sundries,		18 5	51				
,				206	26		
						51.584	44
Wages refunded on account of	1913	expenses.				2	58
Receipts from Treasury of							
Maintenance appropriations: -							
Balance of 1913,				\$5,394	92		
Advance money (amount on	hand	November 30)).	6,000			
Approved schedules of 1914,				, , , , ,			
Less returned,		16 4					
2000 revariation,				181,499	89		
					_	192,894	81
Special appropriations,						15,242	
Special appropriations,	•	•				,	
Total,						\$264,373	90

	7	Payme	ents.					
To treasury of Commonwealth:		. wgm						
Institution receipts, .							\$51,584	44
Refund account 1913 expenses	,						2	58
Maintenance appropriations: -								
Balance November schedule, 1	913,				\$10,04	4 96		
Eleven months' schedules, 191	4,				181,49	9 89		
November advances, .			•	•	4,02	1 85	105 500	70
Special appropriations: —							195,566	70
Approved schedules, .					\$15,24	2 03		
November advances, .						9 27		
Balance, Nov. 30, 1914: —							15,281	30
					89	2 78		
			•	•	•-	6 10		
In office,	•	•	•	•			1,938	88
m							0004.070	
Total,	٠	•.	•	•	•	•	\$264,373	90
	\mathbf{M}_{2}	AINTE	NANC	E.				
Unexpended balance, 1911, 19	12,	1913,	brou	ght				
					\$1,81	8 50		
Appropriation,					196,80	00 00	*****	
Expenses as analyzed below,							198,465	98
Balance reverting to treasury	of C	omm	onwea	iith,			\$152	52
A	naly	sis of	Expe	enses.				
Salaries, wages and labor: —								
J. A. Houston, M.D., superint		ent,				00 00		
General administration, .						312		
Medical service,						31 98		
Ward service (male), .						2 88		
Ward service (female), .					•	10 92		
Repairs and improvements, Farm, stable and grounds,						78 24		
Farm, stable and grounds,					10,15	57 38	404.004	
Food: —							\$81,384	52
Butter,					\$5.04	17 96		
Butterine,	•	•	•	·		08 40		
Beans,	:	•	•	•		08 36		
Bread and crackers,		•		•		17 88		
Cereals, rice, meal, etc., .	•	•	•	•		76 21		
	•	•	•	•		33 71		
Cheese,	•	•	•	•		39 25		
Eggs,	•	•	•	•		38 65		
Flour,	٠	•	•	•	•	76 32		
Fish,	٠	•	•	•	•	97 14		
Fruit (dried and fresh), .	•	•	•	•				
Lard,		•	•	•		12 97		•
Meats,					14.27	30 61		
				•				

$Amounts\ brought\ forward,$					\$44,397 4	\$81,384	52
Food — $Concluded$.							
					382 1	9	
Molasses and syrup, Spices, seasonings, salt, etc.,		•	•	•	153 3		
Spices, seasonings, sait, etc.,		•	•	•	3,526 8		
Sugar,			•	•	,		
Tea, coffee, broma and cocoa,			•	•	2,484 8		
Vegetables,				•	1,566 5		
Yeast,					272 7		
		•		• _	1,544 8	0 - 54,328	67
						01,020	•
Clothing and materials: —					01.050.4		
Boots, shoes and rubbers,					\$1,059 4		
Clothing,					1,829 0	0	
Dry goods for clothing and sm	all war	res,			1,820 8	8	
Hats and caps,					73 7	5	
Leather and shoe findings,					78 1	6	
Sundries,		-			194 2		
Suluites,			•	•		- 5,055	47
Furnishings: —							
Beds, bedding, table linen, etc.					\$3,689 2	4	
				•	20 0		
Brushes, brooms,							
			•		272 7		
Crockery, glassware, cutlery, e	tc., .				394 5		
Furniture and upholstery, Kitchen furnishings,					22 7	5	
Kitchen furnishings, .					18 2	20	
Materials and machinery for m					48 2	8	
Wooden ware, buckets, pails, e					, 98 3	3	
a 1.					226 3		
Sundries,	•	•	•	•		4,790	50
Heat, light and power: —							
					#7 711 A	1	
Coal,	•	•	•	•	\$7,744 4		
Freight on coal,	•		•	•	4,917 1		
Wood,				•	114 3		
Electricity,					53 5	8	
Gas,					80 4	.4	
Oil, ,					128 9	7	
Sundries,					95 1	.6	
,				_		- 13,134	11
Repairs and improvements: —							
0 11 11					\$876 9	1	
Electrical work and supplies,					704 1		
			•	•	939 4		
Hardware,	•	•	•	•	1,442 1		
Lumber,	•	•	•		,		
Machines (detached), .	•			•	361 9		
Paints, oil, glass, etc.,		•		•	1,658 5		
Plumbing, steam fitting and su	pplies	,			2,014 7		
Roofing and materials, .					79 9	3	
Sundries,					2,131 0	1	
•				_		- 10,208	90
Amount carried forward,						. \$168,902	 17

4							\$168.902	,
Amount brought forward.	-	•	•			•	\$105,902	14
Farm, stable and grounds:								
Blacksmith and supplies.		-	-		\$525	15		
Carriages, wagons, etc., and re	epairs.				499	65		
Fertilizers, vines, seeds, etc.,			-	_	2.407	45		
Hay. grain. etc			-		9.713	12		
	-				122	40		
Other live stock					723	50		
Rent				-	7.5	00		
Tools, farm machines, etc.					350	86		
Sundries					1.334	15		
				-			15,781	
Religious services	-	-	-	-		-	1,074	00
Miscellaneous: —								
Books, periodicals, etc		-	-		\$150			
Entertainments		-	-	-	620			
Freight, expressage and transp			-		144			
Funeral expenses	-	-	-		37			
Medicines and hospital suppli-			-		651			
Medical attendance, nurses, e			-	-	59			
Patients' board out			-	-	2.655			
Postage,			-	-	371	55		
Printing and printing supplies		-	-	-	173	\$2		
Printing annual report		-		-	184	29		
Reman of mineways				-	56	66		
Soap and laundry supplies.		-			1.325	59		
Stationery and office supplies.		-			662	32		
Travel and expenses 'officials'					758	10		
Telephone and telegraph.				_	242	54		
					60	76		
Water					3,003	59		
					1.447	57		
				_			12.711	05
							3102 402	- 0
Total expenses for maintens				-				
Wages refunded account 1913 es	rpense	Ē,	•	-		•	2	58
							\$198,465	95
Spr	CIAL :	APPRO	PRIAT	IONS.				
D 1 1010							\$3.930	47
							23,958	13
Total	. '					-	\$27,888	60
Expended during the year (see s					\$15.242	03		
Reverting to treasury of Commo	onwea	lth.			1	20		
				-			15,243	23
Balance Nov. 30, 1914.							\$12.645	37

RESTRICT AND LABOURES.

200000000

Cash on hand. 81.988 88

November cash votalises gaid from advance money. —

Assount of maintenance. 84.001 88

Assount of special appropriations. 89 27

Due from treasury of Commonwealth account November, 1914, schedule.

4061 11 11.965 ET

Lattate

Schedule of November bills.

Equal to a westly per rapids of \$1.18.

\$14.44E 4T

新工业·

Per Carma.

During the year the average number of immates has been 205.51. Total cost for maintenance, \$195.455.85. Equal to a weekly per capita cost of \$4.10. Receipt from sales, \$1.551.78. Equal to a weekly per capita of \$10.58. All other institution receipts, \$49.731.71.

Special Appropriations.

Овлест.				. Act or Resolve.	Whole Amount.	Expended during Fiscal Year.	Expended to Date.	Balance at End of Year.
New boilers,		·		Acts 1913, chap. 133,	\$10,000 00	l	I	ı
Deficiency for new boilers,	•	·		Acts 1914, chap. 305,	2,958 13	\$6,887 40	\$12,956 93	\$1 201
Stable,	•	•		Acts 1914, chap. 106,	00 000'6	4,396 10	4,396 10	4,603 90
Enlarging hall and corridor,	•	•		Acts 1914, chap. 124,	8,000 00	883 00	883 00	7,117 00
Fire protection,	•		•	Acts 1914, chap. 124,	4,000 00	3,075 53	3,075 53	924 47
					\$33,958 13	\$15,242 03	\$21,311 56	\$12,645 37

¹ Reverting to treasury of the Commonwealth.

Respectfully submitted,

LEWIS F. BABBITT,

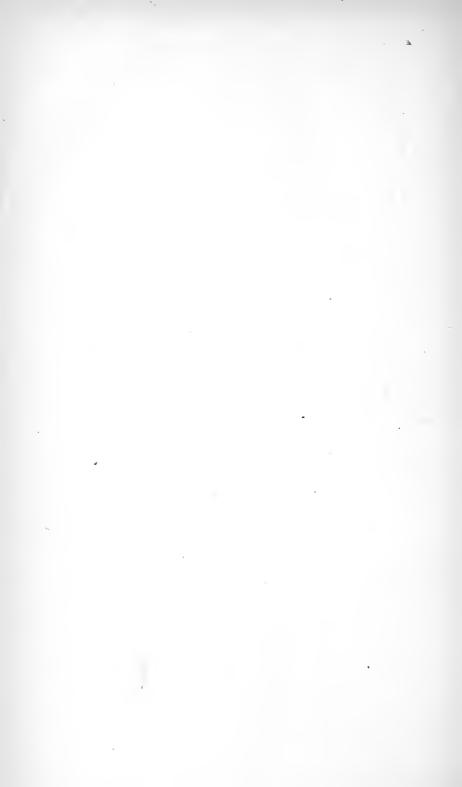
Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

WARREN A. MERRILL,
Assistant Supervisor of Accounts.

STATISTICAL TABLES.

[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]



1. — General Statistics for the Year.

1. — General Statistics for the Year — Concluded.

		INSANE.		Nor	Nor INSANE. VOLUNTARY.	Ϋ́.	TEM	TEMPORARY CARE.	<u>.</u>	INEB	INEBRIATES.		Agg	AGGREGATES	υ <u>ν</u>
	Males.	Females.	Totals.	Males.	Females.	Totala.	Males.	Females.	Totals,	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients remaining Sept. 30, 1914, Viz.: regularly committed, voluntary, voluntary, temporary care, transfer, supported as State patients, supported as reimburing patients, as reimburing patients, Number of different persons within the year, Number of different persons admitted from the community, Number of different persons admitted from the community, Number of different persons admitted from the community, Number of different persons admissed to the community, Number of different persons recovered, Number of different persons recovered, Number of different persons recovered, Number of different persons capable of self-support, Daily average number of patients, reimbursing patients, reimbursing patients, whole number of emergency admissions, Daily average number of voluntary admissions, Daily average number of temporary care admissions, Daily average number of temporary care patients,	465 464 464 1 2 2 2 380 388 665 201 200 201 177 177 177 15 30 387.75 40 62 49	467 465 1 1 325 1 325 1 162 822 1153 1154 115 115 115 115 115 115 115 115 11	934 929 929 102 1,283 383 384 383 384 384 100 1,283 384 291 293 112 12 12 13 12 12 12 12 12 12 12 12 13 14 14 16 16 16 16 16 16 16 16 16 16 16 16 16	0.00.00.00.00.00.00.00.00.00.00.00.00.0	0.0 0.0 1 1 1 1 4 & & & & & &	0.00 8 1 1 1 1 1 2 1 2 1 3 1 3 1 1 1 1 1 1	11.1.1.1.1.08888998.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	911191911989111111111111	3388 3888 3988 3988 3988 3988 3988 3988		 	888 881	466 466 464 464 40 381 381 222 222 222 222 222 223 373 387 387 387 387 387 387 387 387 38	473 468 2 2 2 2 2 2 2 2 82 82 82 82 82 82 83 178 117 117 117 82 83 83 83 83 83 83 83 83 83 83 83 83 83	942 932 932 2 2 2 2 2 2 2 2 303 303 303 303 303 3

2. — Insane received on First and Subsequent Commitments.

						C.	ASES COMMITTE	ED.
NUMBER OF	COM	MIT:	MEN	ITS.		Males.	Females.	Totals
First to this hospital, .						187	136	323
Second to this hospital,					.	9	20	29
Third to this hospital, .						3	1	4
Fourth to this hospital,						3	2	5
Fifth to this hospital, .						1	-	1
Sixth to this hospital, .						1	1	2
Seventh to this hospital,					-	-	2	2
Total cases,					.	204	162	366
Total persons,						201	162	363
Never before in any hospit	al fo	r the	insaı	ne,	.	175	123	298

3. — Nativity and Parentage of Insane Persons first admitted to Any Hospital.

						Males		F	'EMALE	s.		TOTAL:	s.
PLACES O	F N	ATIVI	TY.		Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.
Massachusetts, Other New Engl Other States,	and S	tates,	:	:	72 17 18	21 13 12	27 14 13	44 11 15	21 6 10	21 10 10	116 28 33	42 19 22	48 24 23
Total native	, .				107	46	54	70	37	41	177	83	95
Other countrie Argentina, Armenia, Austria, Canada, Cuba, Denmark, England, Finland, France, Germany, Greece, Ireland, Italy, Norway, Poland, Russia, Scotland, Spain, Sweden, Turkey, Total foreign Unknown,					1 - 6 10 1 - 4 1 1 - 3 1 1 4 3 1 6 8 4 4 - 7 1 - 6 6 4 4	7 22 - 10. 1 -5 1 41 3 1 6 8 4 - 1	7 23 - 9 1 1 37 3 1 6 8 4 - 1 - - 9 1 1 - - 4 1 1 3 7 1 6 8 8 1 1 6 8 8 8 8 8 8 8 8 8 8 8 8 8	14 14 14 - 1 1 1 1 1 2 - 3 4 4 1 1 1 1 1 1 - 1 5 - 3 - 4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	14 24 -1 12 -2 2 -2 2 -3 33 -2 -2 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 23 1 1 2 2 2 2 2 2 2 2 1 1 1 80 2 2	1 1 10 24 1 -5 11 14 13 25 11 25 11 22 1 117	11 11 146 - 12 12 77 1 74 5 1 8 13 6 6 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1 111 466 1 10 1 2 6 6 1 1 699 5 5 1 1 83 6 6 1 1 2 2 1 185 18
Totals, .					175	175	175	123	123	123	298	298	298

. 4. — Residence of Insane Persons admitted from the Community.

			3	F ADMI FO ANY OSPITA	:		L OTH		נ	COTALS	
			Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Hampshire County,			26	15	41	7	9	16	33	24	57
Hampden County, .			100	70	170	13	15	28	113	85	198
Franklin County, .			15	16	31	2	1	3	17	17	34
Berkshire County, .			30	19	49	2	13	15	32	32	64
Essex County, .			1	-	1	-	-	-	1	-	1
Middlesex County, .			-	1	1	1	-	1	1	1	2
Worcester County, .			3	2	5	1	1	2	4	3	7
Totals,			175	123	298	26	39	65	201	162	363
Unknown,			-	-	-	-	-	-	-	-	-
Totals,			175	123	298	26	39	65	201	162	363
Cities and towns, .			118	70	188	18	26	44	236	96	232
Country districts, .			57	53	110	8	13	21	65	66	131
Totals,	•	•	175	123	298	26	39	65	201	162	363

5. — Civil Condition of Insane Persons first admitted to Any Hospital.

					Males.	Females.	Totals.
Unmarried,					76	37	113
Married, .					75	62	137
Widowed,					19	22	41
Divorced,					2	2	4
Unknown,					3	-	3
Totals,					175	123	298

6. — Occupation of Insane Persons first admitted to Any Hospital.

				MA	LES.				
rmorer,				1	Manager, store,				
uthor,	•	•	•	ĩ	Machinists, .		i	- 1	
aggage-master.		•	•	î	Masons,	•	•	•	
arber,	•	•	•	î	Merchant,	•	•	•	
arber, illposter,	•	•	•	î	Molder,	•	•	•	
lacksmiths, .	•	•	•	4	Operatives, .	•	•	•	1
oiler maker, .	•		•	î	1 TO 1	•	•	•	^
room maker, .	•	•	•	î	Painters, Paper maker, .	٠.	•	•	
utcher,	•	•	•	î	Peddler,	•		•	
abinet maker,	•	•	•	î	Printer,	•	•	•	
arpenters, .	•	•	•	\hat{s}	Railroad men, .	•	•	•	
arriage trimmer,	•	•	•	ĭ	Retired,		•	•	
igar clerk, .		•	•	i	Sanitary inspector,	•	•	•	
igar makers, .	•		•	$\frac{1}{2}$	Secretary, .		•	•	
	•	•	•	ĩ	Sheet metal worker,		•	•	
lergyman, . lerks,		•		$\frac{1}{4}$	Ship steward, .				
obbler,				1	Stationary engineer,		•	·	
ore maker,		•	•	1	Stone cutter, .	•		•	
ore maker, .	•	•		1	Street car conductor,	•		•	
river,		•	•	1	Students,	•	•		
rop forger, .		٠	•	$\frac{1}{2}$		•	•	•	
yers,	•		•	1	Switchman, .	•		•	
ngraver,				7	Tailors,	•		•	
armers,	•	-	•	8	Teamsters,	•	•		
arm laborers, .	•		•	$\frac{8}{2}$	Telegraph operator,	•	•	•	
anitors,	:	. •	•	$\frac{2}{1}$	Waiter,	•	•	•	
eweler,		•	•		Watchman, .	•			
ink dealers, .	•		•	2	Weaver,	•	•	•	7
aborers,			. '	42	No occupation, .	•	•		1
ather, eather cutter, .				1	Total, .				17
				EEM.	ATES				
				FEM	ALES.				
ookkeeper, .				1	Operatives				
hambermaid, .				1 1	Operatives, . Saleslady, .				
hambermaid, .	:	:	:	1	Operatives, . Saleslady, .	· .	•]
hambermaid, . ook,	:		•	1 1	Operatives, . Saleslady, . Seamstress, . Servant, .	•]
hambermaid, . ook, omestics,	:		· · ·	1 1 1 8 1	Operatives, . Saleslady, . Seamstress, . Servant, . Student,		: : :]
hambermaid, ook, omestics, urniture polisher,	:		:	1 1 1 8 1 5	Operatives, . Saleslady, . Seamstress, . Servant, . Student,		:]
hambermaid, ook, omestics, urniture polisher, ousekeepers,	:		· · · · · · · · · · · · · · · · · · ·	1 1 1 8 1	Operatives, Saleslady, Seamstress, Servant, Student, Tobacco stripper,	:]
hambermaid, ook, omestics, urniture polisher, ousekeepers, ousewives,	:	:		1 1 1 8 1 5	Operatives, . Saleslady, . Seamstress, . Servant, . Student,		:		
hambermaid, ook, omestics, urniture polisher, ousekeepers, ousewives, ousework,	:	:		1 1 1 8 1 5 2	Operatives, Saleslady, Seamstress, Servant, Student, Tobacco stripper, Typesetter, Waitresses,		:		
ookkeeper, hambermaid, ook, oomestics, urniture polisher, ousekeepers, ousewives, ousework, nitter, aundress,			:	1 1 1 8 1 5 2 14	Operatives, Saleslady, Seamstress, Servant, Student, Tobacco stripper, Typesetter,				2
hambermaid, ook, ook, urniture polisher, ousekeepers, ousewives, ousework, nitter, aundress,				1 1 1 8 1 5 2 14 1	Operatives, Saleslady, Seamstress, Servant, Student, Tobacco stripper, Typesetter, Waitresses,				2
hambermaid, ook, ook, urniture polisher, ousekeepers, ousewives, ousework, nitter, aundress,		:	· · · · · · · · · · · · · · · · · · ·	1 1 1 8 1 5 2 14 1 1 2	Operatives, Saleslady, Seamstress, Servant, Student, Tobacco stripper, Typesetter, Waitresses, No occupation,		:		2
hambermaid, ook, oomestics, urniture polisher, ousekeepers, ousewives, ousework, nitter, aundress, urses,			· · · · · · · · · · · · · · · · · · ·	1 1 1 1 8 1 5 2 14 1 1 2 WIFE	Operatives, Saleslady, Seamstress, Servant, Student, Tobacco stripper, Typesetter, Waitresses, No occupation, Total,				2
hambermaid, ook, ooks, urniture polisher, ousekeepers, ousewives, ousework, nitter, aundress, urses,			· · · · · · · · · · · · · · · · · · ·	1 1 1 8 1 5 2 14 1 1 2	Operatives, Saleslady, Seamstress, Servant, Student, Tobacco stripper, Typesetter, Waitresses, No occupation, Total, Peddlers, Policeman.	:	: : : : : : : : : : : : : : : : : : : :		2
hambermaid, ook, ook, ook, ooek, ooek, ousestics, urniture polisher, ousekeepers, ousework, ousework, nitter, aundress, urses,			· · · · · · · · · · · · · · · · · · ·	1 1 1 1 8 1 5 2 14 1 1 2 WIFE	Operatives, Saleslady, Seamstress, Servant, Student, Tobacco stripper, Typesetter, Waitresses, No occupation, Total, Peddlers, Policeman.				2
hambermaid, ook, omestics, urniture polisher, ousekeepers, ousework, nitter, aundress, urses, arpenters, armers, armers, ireman,			7	1 1 1 1 8 1 5 2 14 1 1 2 WIFE	Operatives, Saleslady, Seamstress, Servant, Student, Tobacco stripper, Typesetter, Waitresses, No occupation, Total, Peddlers, Policeman.				2
hambermaid, ook, omestics, urniture polisher, ousekeepers, ousework, nitter, aundress, urses, arpenters, armers, armers, ireman,			7	1 1 1 1 8 1 5 2 14 1 1 2 WIFE	Operatives, Saleslady, Seamstress, Servant, Student, Tobacco stripper, Typesetter, Waitresses, No occupation, Total, OF Peddlers, Policeman, Printer, Retired merchant,		•		2
hambermaid, ook, omestics, urniture polisher, ousekeepers, ousework, nitter, aundress, urses, arpenters, armers, ireman, rocer,			· · · · · · · · · · · · · · · · · · ·	1 1 1 1 8 1 5 2 14 1 1 2 2 14 1 2 2 1 2 1 2 1 2 1 2 1	Operatives, Saleslady, Seamstress, Servant, Student, Tobacco stripper, Typesetter, Waitresses, No occupation, Total, Peddlers, Policeman, Printer, Retired merchant, Shoemaker,				2
hambermaid, ook, oomestics, urniture polisher, ousekeepers, ousewives, ousewives, urniture, aundress, urses, arpenters, armers, ireman, rocer, aborers, umberman,			· · · · · · · · · · · · · · · · · · ·	1 1 1 1 8 1 5 2 14 1 1 2 2 14 1 1 2 2 1 1 2 1 1 2 1	Operatives, Saleslady, Seamstress, Servant, Student, Tobacco stripper, Typesetter, Waitresses, No occupation, Total, OF — Peddlers, Policeman, Printer, Retired merchant, Shoemaker, Steel polisher,		•		
hambermaid, ook, oomestics, urniture polisher, ousekeepers, ousewives, outter, aundress, urses, arpenters, armers, reman, rocer, aborers, umberman, achine worker,			\ \frac{1}{1}	1 1 1 8 1 5 2 14 1 1 2 WIFE	Operatives, Saleslady, Seamstress, Servant, Student, Tobacco stripper, Typesetter, Waitresses, No occupation, Total, OF — Peddlers, Policeman, Printer, Retired merchant, Shoemaker, Steel polisher, Storekeeper,		•:		2
hambermaid, ook, ook, ook, ook, ook, ook, ook, oo			\tag{7}	1 1 1 8 1 5 2 14 1 1 2 WIFE 3 2 1 1 1 2 1 1 2	Operatives, Saleslady, Seamstress, Servant, Student, Tobacco stripper, Typesetter, Waitresses, No occupation, Total, OF — Peddlers, Policeman, Printer, Retired merchant, Shoemaker, Steel polisher,		•:		2
hambermaid, ook, omestics, urniture polisher, ousekeepers, ousewives, ousework,			V	1 1 1 8 1 5 2 14 1 1 2 WIFE	Operatives, Saleslady, Seamstress, Servant, Student, Tobacco stripper, Typesetter, Waitresses, No occupation, Total, OF — Peddlers, Policeman, Printer, Retired merchant, Shoemaker, Steel polisher, Storekeeper,				2

7. - Ages of Insane at First Attack, Admission and Death.

		FIRST A	FIRST ADMITTED TO	O ANY HOSPITAL.	SPITAL.				DIED.	ıD.		
	AT	AT FIRST ATTACK.	CK.	WE	WHEN ADMITTED	žD.	AT F	AT FIRST ATTACK	Ж.	AT T	AT TIME OF DEATH.	лтн.
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	23 10 10 10 10 10 10 10 10	6 17 11 11 11 13 13 4	29 10 20 20 20 20 20 17 17 17 10	- 1 11 18 12 19 27 27 15 15 17 17	- 4 8 8 15 11 13 14 14 14 14 14 14 14 14 14 14 14 14 14	11 12 26 27 40 23 23 23 13	33 10 10 10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 + 66 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2 - 2 11 11 10		1 1 1 2 2 2 4 8 8 8 4 2 5
Total,	138 3 34	122	260 3 35	173 _ 2	123	296	52 - 3	41	93	55	41	96
Totals,	175	123 35.13	298	175	123	298	55 54.98	41 56.25	96	55	41	96

8.—Probable Causes of Mental Disease in Persons first admitted to Any Hospital.

							Predis	PREDISPOSING CAUSES	USES.			
		ADMITTED.		HEREDI	HEREDITARY TENDENCY.	DENCY.	NEUR	NBUROTIC TENDENCY.	ENCY.	АГСОН	ALCOHOLIC TENDENCY.	BNCY.
EXCITING CAUSES.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	.slsloT	Males.	Females.	Totals.
Arteriosclerosis, Brain tumor, Cancer, Carcinoma of liver, Carcinoma of liver, Congenital deficiency, Elelampsia, Elelampsia, Epilepsy, Illness, Illness, Illnesse, Informperance and senility, Intemperance and senility, Lead poisonin, Lead poisonin, Lead poisonin, Senility, Senility, Trauma of head, Tuberculosis, Unclassified, Unclassified, Unclassified, Unknown,	23.22 1 1 3.22 1 1 1 1 1 1 1 1 1		71111722222222222222222222222222222222	H 00 14 00	·	H M 1 1 1 1 1 1 1 1 1	11:11:11:11:11:11:11:11:11:11:11:11:11:	111111:-111111111111111111	111111001111111111111111111	1111-111111188-111111111111111111111111	111111111111111111111111111111111111111	111141111111111111111111111111111111111
Totals,	175	123	298	17	18	35	-	1	1	32	7	39

 $9. - Probable\ Duration\ of\ Mental\ Disease\ before\ Admission.$

	FIRST AD	MITTED TO ANY	Hospital.
PREVIOUS DURATION.	Males.	Females.	Totals.
Congenital,	25	7	32
Under 1 month,	49	29	78
From 1 to 3 months,	18	20	38
3 to 6 months,	15	16	31
6 to 12 months,	5	11	16
1 to 2 years,	12	13	25
2 to 5 years,	13	13	26
5 to 10 years,	3	6	9
10 to 20 years,	1	_	1
Over 20 years,	_	6	6
Total,	141	121	262
Unknown,	31	2	33
Not insane,	3	-	3
Totals,	175	123	298
Average known duration (in years), .	.872	1.38	1.13

10. — Form of Mental Disease in Patients admitted from the Community or discharged, with Condition on Discharge, or died.

	GES THS.	Totals.	15 44 47 47 47 47 47 47 66 66 68 88 88 88 88 88 88 88	209
TOWAL	DISCHARGES AND DEATHS.	Females.	23 11 11 12 12 11 11 11 11 11 11 11	84
	DIS	Males.	21 20 30 30 4 1 5 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	125
		Totals.	18801121 184412101211	88
	Died.	Females.	121111121111111111111111111111111111111	36
		Males.	1012111144311	52
	NB.	Totals.		1
	NOT INSAND	Females.		1
	NOJ	Males.		
	ED.	Totals.	111211114213	88
	NOT IMPROVED	Females.	1-10-01 0101-1111111	16
	IM	Males.	1115-111 -11101-1011111	17
ED.	ED.	Totals.	2 11 12 14 15 1 15 1 15 1 15 1 1	36
DISCHARGED	IMPROVED.	Females.	H116111 8H1HH1111811	15
Disc	IM	Males.	H H D H H H H H H H	21
	OF.	Totals.	1100-101 0000011011111	8
	CAPABLE OF ELF-SUPPORT	Females.	11-1111	9
	CAPABLE OF SELF-SUPPORT	Males.	1105-1001 0010011011111	24
	ED.	Totals.	G H G G 4 H	22
	RECOVERED.	Females.	Ø H Ø H4H	11
	REC	Males.	0111111 -11111111111	11
	ED.	Totals.	22 10 80 80 88 12 12 12 13 33 33 33	298
	Сомміттвр	Females.	25 27 11 11 12 12 11 12 11 12	123
	Con	Males.	20 33 44 44 22 22 22 22 22 22 22 22 33 33 33 33 34 35 35 35 36 36 37 37 37 37 37 37 37 37 37 37 37 37 37	175
				-
		*	1	
	ļ	Z	any hospital: — nity, sanity, sanity: — sanity: — se,	.
	į	DISEASE	7 hos y, iity, iity; - iity: -	
			o any sanit insari insari sis, sis, sis, sis, sis, sis, sis, si	
	Ç	FORM OF	ed to it in in it	
	,	KW	mitt oholi licoholi licoholi i para se psi se r>psi se psi s psi p psi s p psi s p psi p p p p	Α,
	ţ	2	A. — First admitted to a Acute delirium. Acute delirium. Chronic alcoholic inso Demontia prezox, Epilepsy, Involution psychosis Kosokoff's psychosis Kosokoff's psychosis Kosokoff's psychosis Kosokoff's psychosis Kosokoff's psychosis Kosokoff's psychosis Kosokoff's psychosis Kosokoff's psychosis Kosokoff's psychosis Kosokoff's psychosis Kosokoff's psychosis Organic demontia, Paranoia, Paranoia, Pellagra, Vinclassified, Vinclassified, Vinclassified, Vinclassified,	Total A,

10. — Form of Mental Disease in Patients admitted from the Community or discharged, with Condition on Discharge, or died — Concluded.

	RES THS.	rotals.	4-11-0 4450-1-1	40	249	248
TOTAL	DISCHARGES AND DEATHS.	Females.	11211 1841111	17	101	101
L	AND	Males.	41912 8112111	23	148	147
		Totals.	11614 21414111	œ	96	96 .
	DIED.	Females.	11011	20	41	41
		Males.	: - :	ಣ	55	22
	NB.	Totals.		1	1	1
	NOT INSANE	Females.		1	_	ı
	ION	Males.	11111 111111	'	1	1
	ED.	Totals.	114-1 111-11-1	-	40	40
	NOT IMPROVED.	Females.	11111 111-1111	-	17	17
	IMI	Males.	11441 1111111	9	23	23
ED.	ED.	Totals.		1-	43	42
HARG	IMPROVED	Females.	11-11 1-1111-	က	18	18
DISCHARGED	IMI	Males.		4	25	24
	OF ORT.	.slatoT	1-01-1-1-1-1	∞	38	38
	CAPABLE OF SELF-SUPPORT	Females.	11011 1111111	2	00	00
	CAP/ SELF-	Males.	leele lelelell	9	30	30
	Males. Females. Totals.		m: → mm:	91	32	32
			11111 1000111111	9	17	17
			w.	4	15	15
	ED.	Totals.	5000 0000 00000 00000 0000 0000 0000 0	89	366	363
	Сомміттвр	Females.	21 11 25 21 23 1	89	162	162
	Com	Males.	111333	29	204	201
				•	•	•
						٠
		E.				•
		ISEASE	y, nity,			
		IQ ,	sanit insanit			•
		FORM OF DI	nissior nolic in coholic præcox psych essive d form, rm, iciency mentia	٠ ش	۶.	ons,
		FOR	B. — Other admissions: — Acute alcoholic insani Chronic alceholic insa Dementia præcox, Involution psychosis, Manic-depressive insan, Depressed form, Manicad form, Mixed form, Mixed form, Mental deficiency, Organic dementia, Parensia, Paresis, Paresis, Sonlie dementia,	Total B,	Aggregate cases,	Aggregate persons,

11. — Discharges of the Insane, classified by Admission and Results, and Deaths.

	RE	Квсоувквр.	BD.	CAP. Self-	CAPABLE OF SELF-SUPPORT.	F.	IMP	IMPROVED.		IMP	Nor IMPROVED.	-	Nor	Not Insanb.	e e	LI LI	Died.		DISC AND	TOTAL DISCHARGES AND DEATHS.	is.
NUMBER OF THE ADMISSION.	Males.	Females.	.slstoT	Males.	Females.	.elstoT	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totala.	Males.	Females.	Totals.
First to this hospital,	=	12	23	25	-2	32	21	15	36	21	16	37	ı	1	1	53	36	68	131	98	217
Second to this hospital,	m	4	2	4	-	52	П	-	5	67	-	က	1	1	1	П	ಣ	4	11	10	21
Third to this hospital,	-	П	2	ı	1	ı	67	_	89	ı	1	ı	ı	1	ı	-	-	63	4	က	7
Fourth to this hospital,	ı	ı	ı	-	1	П	-	1	-	ı	1	ı	1	1	ı	1	1	-	63	-	က
Sixth to this hospital,	1	1	ı	ı	1	ı	ı	-	-	ı	ı	1	1	1	1	1	1	1	1	1	-
Total cases,	15	17	32	30	∞	38	25	18	43	23	17	40	ı	1	1	55	41	96	148	101	249
Total persons,	15	17	32	30	∞	38	24	18	42	23	17	40	1	ı	ı	22	41	96	147	101	248
First admitted to any hospital,	11	11	22	24	9	30	21	15	36	17	16	33	ı	1	1	22	36	88	125	84	209

19 Cames of Death and Perm of Mental Disease in Persons who died.

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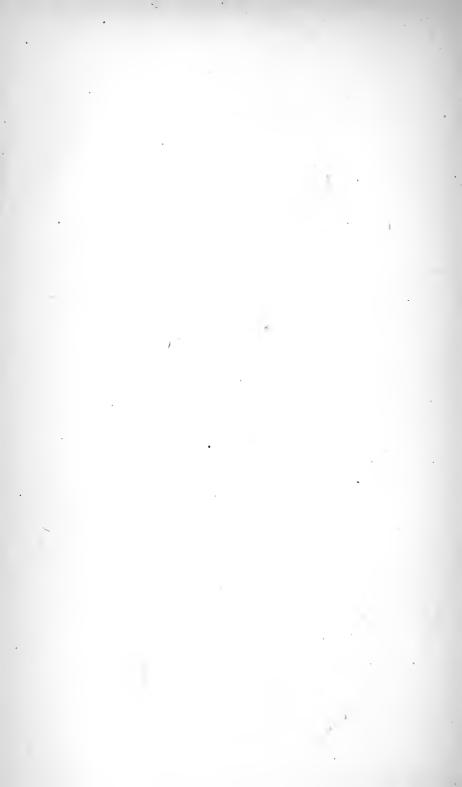
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SIXTIETH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON STATE HOSPITAL,

FOR THE

YEAR ENDING NOVEMBER 30, 1915.

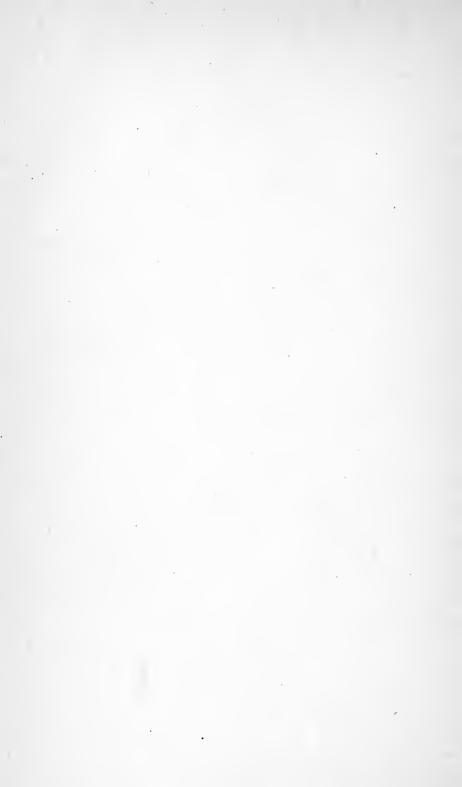


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1916.

APPROVED BY
THE STATE BOARD OF PUBLICATION.

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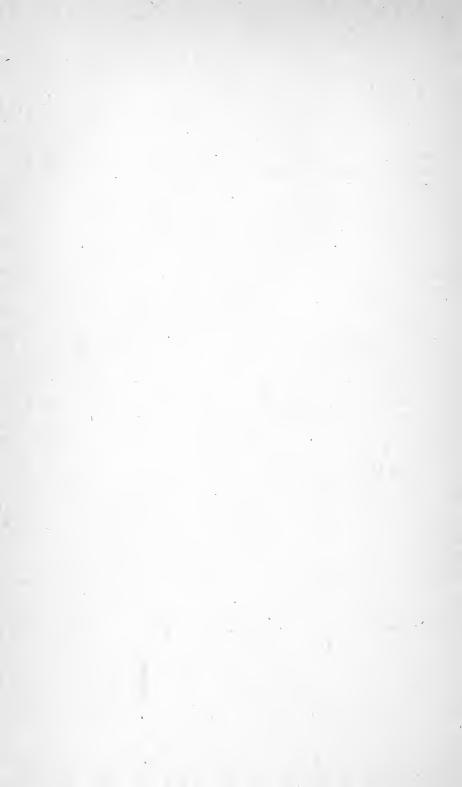
OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

CHARLES S. SHATTUCK, .		HATFIELD.
JOSEPH W. STEVENS, Secretary,		GREENFIELD.
EMILY N. NEWTON,		Holyoke.
CAROLINE A. YALE,		Northampton.
LUKE CORCORAN, M.D., .		Springfield.
JOHN McQUAID,		PITTSFIELD.
HENRY L. WILLIAMS. Chairman.		NORTHAMPTON.

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RESIDENT OFFICERS.												
JOHN A. HOUSTON, M.D.,					Superintendent.							
EDWARD C. GREENE, M.D.,					First Assistant Physician.							
ANGELA BOBER, M.D., .					Senior Assistant Physician.							
ARTHUR N. BALL, M.D.,					Assistant Physician.							
BEATRICE A. REED, M.D.,					Junior Assistant Physician.							
HARRIET M. WHITNEY, M.I	Э.,				Physician to Out-patient Department.							
LEWIS F. BABBITT, .	•	•	•	•	Treasurer (office at the hospital).							
LEE N. SINCLAIR,					Engineer.							
CARL W. HAMMOND, .					Farmer.							
SUSAN E. WARREN, .					Matron.							



The Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital respectfully submit herewith their report of the affairs of the hospital for the fiscal year ending Nov. 30, 1915.

We refer to the reports of the superintendent and the treasurer, which are transmitted as a part of our report, for a more detailed account of the management of the hospital, its financial affairs, movement of population, results of treatment and varied activities of the institution.

We have been handicapped the past year by reason of having been granted an inadequate appropriation for the maintenance of our patients. We were required to make estimates for the support of 900 patients, though we had reason to believe that we should probably have to care for a daily average number of at least 950. At the time of making our estimates there were 945 patients under our care, and within a few weeks we had more than 970 to support. Upon our representation of these facts we were allowed to estimate for the support of 920. We were furthermore required to base our estimates on too small a per capita cost; we had to use as a basis the appropriation made in 1914 for the support of 900 patients, divided by 930, the average number actually supported. Finally, these obviously inadequate estimates were arbitrarily reduced by the legislative committee, in the hope that we could some-

how get along with the appropriation that was granted. considerably smaller maintenance appropriation, proportionate to the number of patients, was allowed to us than was allowed to any of the other institutions, even to those that care only for chronic insane. It is universally recognized that the acute and recoverable cases require more care, and at a greater expense, than the chronic cases; it pays the Commonwealth to get its cases well as soon as possible. In granting our appropriation it seems to have been ignored that our hospital cares for many private patients, varying from 120 to 150 in number: the past year we received for their board \$35,000. friends pay for more attention and for a greater variety in food. If, therefore, our expenditures in these directions should be greater than those of the institutions that care only for cases supported wholly at public expense, these factors should be taken into consideration in the examination of our estimates, and in comparing the cost at our hospital with the cost at these other institutions. Our estimates for food were cut to a point below our requirements, and as a result our inventory shows that we had food supplies, to the value of \$2,000, less on hand at the end of the year than at the beginning.

Our request for money with which to engage more nurses was refused. It is well recognized that success in treatment of mental cases depends, in a large measure, on the nursing service, and if we are embarrassed by inferior quality, or by lack in numbers, of our nursing force, our measure of success is correspondingly less than it should be. It is not economy to afford our hospitals too few caretakers for their inmates. The ratio of nurses to patients is smaller at our hospital than in any of the other State institutions, and our efforts to raise this ratio to proper requirements have hitherto been thwarted by inadequate appropriations.

Our Board fully realizes the need of watchfulness and care in the expenditure of appropriations; by the exercise of strict economy we have lived within our income this year. This, however, was made possible only by the relief afforded by the transfer of 80 patients to other institutions by the State Board of Insanity.

During the year the expenses under the heading "Miscellaneous" have been much larger than the appropriation allowed for this purpose, principally because more patients have been maintained in family care than we were told to estimate for. The cost of their support appears under the above heading. In order to live within our income, therefore, we had to reduce the expenditures for other purposes; this could be done most easily for repairs for the time being, but every one of experience knows that repairs must be made, and that if deferred they will eventually cost more than if attended to when need arises.

The building operations that were mentioned in our report last year as being well under way have been completed,—the stable for farm horses, the pump house with fire pumps installed, and the corridor and bay window in the department for women. All these will add to our efficiency and convenience. The corridors and bay window make the life of the patients much pleasanter, affording more sunshine and cheer to the wards which they adjoin, and opportunity for patients to get out of doors, even in inclement weather.

With the growth of the institution has come a steady demand for more power and light. A new engine and electric generator is needed to supplement our present equipment, which consists of two units, - first, an engine of 155 horse power operating an electric generator of 100-kilowatt capacity, caring for the heavy load of power and light during the day and early evening; and second, a small engine with generator of 37½-kilowatt capacity, which cares for the lights during the night. Our requirements for power and light have outgrown the capacity of the smaller unit during fourteen hours of each day in winter and eleven hours in summer. In case of injury or need of repairs to the larger unit we should be seriously handicapped. We ask, therefore, for a special appropriation with which to purchase and install a new engine and generator. We have obtained estimates of the cost of various engines and generators, from which we find we shall need, for this purpose, an appropriation of \$4,300.

We renew our request of last year for an appropriation to

build a house and tower for the care and protection of our fire hose and apparatus, as outlined in our annual report of 1914, to which we refer. Use of our hose at a fire in the winter of 1914 demonstrated that we had no suitable place for thawing, draining and drying the hose that is used in winter, whether at a fire or at the fire drills required by law. All of our apparatus, hose, ladders and trucks should be assembled and kept in an accessible central place. We have submitted plans and estimates of the cost of such a building to the State Board of Insanity. We recommend that an appropriation of \$4,000 be granted for this purpose.

The trustees have hoped for two years to be able to remodel and equip the rooms where the old laundry was located for dining rooms for our employees. These rooms adjoin the kitchen and are admirably adapted to the purpose. At present our employees are eating in four dining rooms, two divisions at each meal, and the rooms are overcrowded. Our nurses are eating at tables with patients, which is not desirable for either nurses or patients. The State Board of Insanity has approved of the plan, as did the legislative committee on its visit to the hospital last year. No special appropriation was asked for, as it was hoped we might do the work with our own force of employees from the maintenance allowance for repairs and improvements, but our total maintenance allowance was so much smaller than requested that we have been cramped all the year to live within the reduced appropriation. Inasmuch as the change suggested must be considered as additional equipment and not as a replacement we request a special appropriation for this purpose. We estimate that this will cost \$2,300 by doing the work ourselves.

We deem it wise to ask for a special appropriation for the installing of a vacuum system to insure a better circulation of steam through our heating apparatus and at a lower pressure than is required at present. This will result in more efficient heating of the radiators, with a lower consumption of coal, especially in spring and fall. A similar system is in operation in some of the other State institutions to their great advantage. It is proposed to purchase the material, and to install this

system with our own workmen, the installation to extend over a period of two years. The requirements for the first year for vacuum pumps, pipes, valves and fittings will cost \$1,200.

The superintendent's report shows a condition of overcrowding throughout the hospital that is unwise and very disadvantageous. Many beds are made up at night on corridors and spaces that should be reserved for day use, and many rooms intended for one patient are occupied by two. The State Board of Insanity has relieved the pressure somewhat by transferring patients to other institutions, but in spite of this relief, and of efforts of the superintendent to discharge to relatives and friends as many patients as possible, the number supported during the year has been larger than ever before. We believe the institution at Northampton should not be further enlarged at present, for the good of the patients who have to be cared for there, and that it is as economical to provide for them in a separate institution near their places of residence. We shall be glad to co-operate with the State Board of Insanity in the solution of the question of what to do with the increase that may be expected with each succeeding year.

With more patients to be cared for there is also, necessarily, need of more nurses and other employees. We again, as last year, call your attention to our inadequate accommodations for our employees. There is urgent need of office room and of sleeping quarters for employees of all classes, — officers, nurses, domestic help and farm help. During the past eleven years there has been no additional space provided for these purposes, though the number of employees has steadily increased, and patients now have to be turned out of their rooms to afford accommodations for them.

During the year there have been several changes in our medical staff. On July 31, 1915, Dr. Geraldine Oakley left to take the superintendency of a hospital for women in Toronto, Ont., newly opened, and on Aug. 17, 1915, Dr. Jean MacLean left to take service in the Royal Hospital for Children in Edinburgh, Scot. On September 17 Dr. Beatrice A. Reed joined our staff, having had previous service of a year at the Taunton State Hospital.

There have been no changes in our Board of Trustees during the year. We have met regularly each month as a Board at the hospital, and individual members have made frequent visits to the hospital between our regular meetings. We are glad to report that, in our opinion, the affairs of the hospital have been well and economically administered.

CHARLES S. SHATTUCK.
JOSEPH W. STEVENS.
EMILY N. NEWTON.
CAROLINE A. YALE.
LUKE CORCORAN, M.D.
JOHN McQUAID.
HENRY L. WILLIAMS.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

The following report of the management and of the affairs of the hospital is respectfully submitted.

At the beginning of the year ending Sept. 30, 1914, there were 942 patients under our care and treatment. At that date there were also 78 patients away from the hospital on probation, of whom 10 were returned to the hospital for further treatment and 68 were nominally admitted for purposes of discharge. There were also returned 5 who had previously escaped. During the year there were 412 patients admitted. In all, we cared for 1,369 cases, a larger number by 57 than in any previous year.

The daily average number cared for, 945, exceeded that of the previous year by 23.

The largest number under care on any one day was 975, which number exceeds our capacity, as estimated by the State Board of Insanity, by 155.

The number dismissed, not including the patients nominally admitted for discharge but including those who died, was 414, and the number remaining at the end of the year was 955.

Sixty-seven temporary-care cases and 4 observation cases were admitted; of these, 61 were regularly committed and 10 were dismissed before the expiration of the period for which they were sent here. Of the other admissions 360 were regularly committed by the courts, 13 were transferred by the State Board of Insanity from the Gardner State Colony, the Bridgewater State Farm, the Westborough State Hospital and from family care, and 32 were admitted as voluntary cases; of these, 9 had previously been inmates of this hospital. Five of them were not insane.

The probable causes of insanity in the cases admitted were principally hereditary tendency, congenital defect, arrest of mental development in infancy and childhood, syphilis, intemperance and the use of drugs in a large number of cases, and in many cases old age and disorders incident to it,—arteriosclerosis, organic brain disease and apoplexy.

Grief, worry, anxiety and disappointment are often assigned as causes by relatives or by the attending physician, but it is rare that these alone are causes of insanity, for if they were the number of the insane would be vastly greater than it is. They may be contributory causes when there is an hereditary tendency or some underlying defect. In most cases when present they must be considered as symptoms rather than as causes.

The question naturally arises, How many of our cases are preventable? Theoretically, all cases brought on by vicious living, by intemperance, by syphilis are preventable. Theoretically, others in whom there is a latent tendency to insanity may have their lives so ordered as to escape a breakdown. Practically, however, human nature is prone to disregard advice, and history has shown that in this country as in European countries increase of insanity has kept pace with the age and degree of civilization of a community.

Analysis of the table of forms of insanity in the cases admitted shows that a major part of them had forms of insanity that are unfavorable for recovery.

The average age of the persons admitted was forty-two; there were 57 admitted who were over sixty years of age, 27 of whom were between seventy and eighty, and 6 were over eighty, one being a centenarian.

Of the patients dismissed 39 were discharged as recovered, 49 as much improved, — some of them to complete their recovery at home, — 62 as improved, and 18 as unimproved; 80 were transferred by the State Board of Insanity to the Grafton State Hospital, the Monson State Hospital, the Westborough State Hospital, the Tewksbury State Infirmary and the Bridgewater State Farm, and 105 died. The death rate for the year was 7.3 per cent., the same as last year. The average age of those who died was fifty-eight. Only 14 were under

forty years of age, while 49 per cent. were more than sixty years of age; 28 were between seventy and eighty and 9 were over eighty years of age.

Four women died of pellagra. They had shown symptoms of the disease for periods varying from six months to eighteen years prior to admission. Ten cases in all of pellagra have been admitted within the past four years.

Most of the patients who were dismissed were allowed to leave the hospital on probation. The number out on probation at any given time varied from 78 to 101. The majority of these were finally dismissed without need of returning to the hospital. While on probation they were kept under our observation through correspondence and by visits of some member of our staff, or by the patients' reporting in person at the hospital or at one of our clinics at Springfield, Greenfield or Pittsfield.

The daily average number of patients cared for, as well as the total number during the year, was greater than in any previous year. Some of the reasons of the steady increase are quite obvious, as, for instance, the increase in the population of the district served by the hospital; the rapid growth of urban population whence comes the greater proportion of our inmates; the faster pace of living; and the admission to our country of immigrants who cannot stand the stress of life here, or who are unfit at the time of landing.

It must not be lost sight of that advantage of our hospitals is taken to a greater extent than formerly, so that much of the increase is only a so-called visible one; for instance, many more old people, both actually and relatively to the total number of admissions, are admitted in recent years than formerly, as has been shown in some of our recent reports. Many of these may have but a slight accentuation of the mental enfeeblement that is natural to old age, barely to the degree that makes their commitment legal. Without much effort on the part of the relatives they could be cared for at home, as many of them should be, or, if they have no home, they could be cared for more to their comfort in the local almshouses, where they would be spared the mental pain of being stigmatized as insane and of having to associate with people who are insane. Our experience leads to the opinion that many

such cases are sent to the hospital in order to shift the burden of their support to the taxpayers of the State.

One never-failing source of increase in our numbers is the yearly accumulation of patients who do not recover and who remain in the hospital. Of the patients in the hospital at the end of the year now being considered some were admitted as long ago as 1873, and 11 of them were admitted in the years prior to 1884. Some of the admissions of each year since 1884, a period of thirty-one years, still remain in the hospital. Hospital residence, where the patient's life and daily routine are well ordered in sleeping, eating and personal hygiene, in exercise, occupation and recreation, conduces to a longer life than if the patient had remained in the community. Half of our patients have lived here for more than three years, and in but a small proportion of these cases do we hope for recovery.

Our annual admissions for several years have averaged more than 400; for the past ten years the average number admitted annually has been 350. Assuming that there will not be fewer admissions this year we may confidently make the following prediction, basing it on a study of our admissions and discharges for the past twenty-five years: there are now 350 persons in the four western counties of the Commonwealth who will be committed to the hospital within the next twelve months; of these, within the ten years following their admission, 78 will be discharged as recovered, 103 as improved, — some to go on to recovery and others to become self-supporting, — and 72 as not improved; 66 will die in the hospital, and 31 will still remain in the hospital at the end of the ten years.

It is this steady accretion of the undischarged that makes up the bulk of our population.

The excess in number of admissions each year over the number discharged has resulted in a condition of overcrowding. This overcrowding has extended over so long a period that we have come to accept it as the natural order of things, but this year it has been more serious than ever before. The hospital was planned to care for 250 patients. Since the original buildings were erected and occupied accommodations have been provided from time to time for about 350 more patients. By

measuring the floor space devoted to sleeping quarters for patients a former State Board estimated our capacity at 820 patients. It was possible, however, for us to accommodate this number only by putting two beds into rooms intended to accommodate but one patient. We now have 82 single rooms with two beds in each, the dormitories are crowded, and 140 patients are sleeping in corridors and day space.

To relieve this congestion somewhat the State Board of Insanity has within the past year transferred 80 patients to institutions in the eastern part of the State, but in spite of this our daily average number for the past year was 23 greater than ever before. Our beds are all occupied. To provide for the new patients that come new beds must be set up somewhere, and shifting of patients from one room to another or one ward to another is necessary, to the detriment of all the patients concerned, not to mention the extra burden imposed on the caretakers.

Several years ago we were advised that we could not expect any relief till the eastern part of the State has been provided for, and that time seems far distant, as the number of beds provided each year by the Legislature does not equal the yearly increase of the insane to be cared for.

In the past ten years more than 650 patients have been transferred from us to other institutions, — 271 to the Gardner State Hospital, 257 to the Grafton State Hospital, 34 to the Monson State Hospital and 33 to the Medfield State Hospital; of these, 327 resided in Hampden County, 164 in Berkshire County, 82 in Hampshire County and 74 in Franklin County.

During this period the State has continued to enlarge the institutions mentioned, but not any more cheaply than it could have provided them somewhere in the four western counties, where these patients would have been near their relatives and friends. The cost of maintenance has not been less—it probably has been greater—than if they had been cared for near home, and the expense to friends in visiting them has been much greater.

We have been seriously handicapped all the year by having too few nurses. So much has been said of our dependence upon our nursing service for success in the treatment of our patients, and so well understood is the need, that it seems unnecessary to speak of it again at length. Our request for a larger corps of nurses was refused by the Legislature of 1915. It is to be hoped that the coming Legislature will be more liberal in this respect. Of all the hospitals in the State that care for the insane ours had the greatest ratio of patients to nurses in 1914, except one of the institutions for the care of the chronic insane. The average ratio throughout the State was 1 nurse to 7.44 patients,—the Northampton hospital has but 1 nurse for each 10.87 patients. During the year just ended we have had a ratio of 1 nurse to 10.34 patients, manifestly too small a number to care for our patients properly, and so small as to impose too long hours of service upon the nurses.

The scope of our service in the out-patient department has been greatly enlarged during the year, entailing more work and energy on the members of our staff, but, we have reason to believe, with corresponding appreciation on the part of the public that has noticed this service. It has benefited the community and has engendered a feeling of friendliness toward and confidence in the hospital.

There were 23 patients from our hospital in family care at the beginning of the year; 19 more were placed in families, making a total of 42 thus cared for during the year; 35 remain in family care at the end of the year, supported as follows: 25 by the State, 5 by friends and 5 self-supporting.

Our assistant to the out-patient department, or some other member of the staff, made 139 visits to these patients to observe whether they were comfortable and well cared for. At these visits the patients were seen alone, being given opportunity to make complaints. Most of them appreciate the advantages of living in a private home. No patient complained of ill treatment, and only two had minor complaints that were due to misunderstandings which were easily adjusted.

Family care is an excellent thing when patients and families can be found to fit each other. It has been difficult at our hospital to find suitable cases for family care, because most of our patients have comfortable homes to go to as soon as they are well enough to leave the hospital.

Our assistant visited various towns in our district 152 times, usually seeing more than one patient or family on each trip. The occasions for these visits were to inspect homes that sought patients as boarders; to investigate home conditions of patients whose dismissal from the hospital was being considered; to advise relatives of the condition of patients at the hospital; to investigate the history of patients prior to their commitment to the hospital, as an aid to diagnosis and to complete case histories; to visit patients who were away from the hospital "on visit;" and to procure employment, if possible, or the co-operation of persons and agencies in the supervision of patients after dismissal from the hospital.

Clinics have been continued throughout the year at Spring-field on the first and third weeks of each month, in Greenfield on the second week, and in Pittsfield on the fourth week.

At these, 289 first cases were seen, with a total of 319 cases; 54 of them were referred by physicians, 5 by hospitals, 4 by courts, by 5 schools and 35 came of their own accord, having seen a notice of the clinics in the newspapers.

Relatives of patients came frequently to make inquiries concerning them, to get acquainted with the physician and to send a message to the patient. These visits have established a cordial feeling toward the hospital on the part of the public, who recognize the interest that has been taken in their behalf.

Frequent consultations have been held at the hospital, and numerous cases of backward or of feeble-minded children have been brought by the charitable associations to be examined by the Binet and Yerkes tests.

Our assistant has also seen a number of cases at her office, and has visited 47 persons at their own homes at the request of relatives or of the family physician. Not infrequently, also, she has been consulted by former patients who have been discharged, but who occasionally feel the need of advice or of encouragement.

Systematic use has been made of the two therapeutic measures, occupation and amusement, in the treatment of our patients. Mention of their value and of the extent of their use has been made in nearly every annual report of the hospital

from the first, oftentimes at great length, till it would seem to be an old story, but to omit reference to them might indicate that but little value was attached to them, and it is surprising how few people in the State yet realize what is being done in such directions by the State hospitals.

In the way of employment the patients have helped in every department of the institution, — in the ward work, in dining rooms and kitchens, in the sewing and mending rooms, at the laundry, in the shops with carpenters, painters, masons, electricians, and plumbers, and in large numbers on the farm, in the gardens and at the barns and stables. They make brooms, tinware, clothing, mattresses, bedding, do all the upholstering, cane seat chairs, do printing, knit garments, make preserves and the like. Several of the women have gardens that they tend, whose products - flowers, fruits and vegetables - they have for the use of themselves and ward mates. Two instructors teach in basketry, weaving, rug making of all sorts, - braided, hooked, woven, tied and the like, - painting, embroidery and crocheting. These activities are carried on not only in the industrial room but on the wards, where the instructors give lessons to the nurses that they in turn may teach the patients.

Successful exhibits of the work of patients have been made at the hospital, at the annual meeting of the American Medico-Psychological Association at Old Point Comfort, at the Conference of Charities in Pittsfield, at the Mental Hygiene Conference in Boston, and at the Three Counties Fair in North-ampton. These exhibits attracted much attention and were a source of pride to many of the patients who helped in preparing the articles exhibited.

Many of these activities are carried on solely as a therapeutic measure and at considerable expense, but the value cannot easily be estimated. The patients are made happier thereby, and convalescence is promoted. Many who have gone home recovered date the beginning of their recovery to the interest that was stimulated by these efforts.

For amusements, what has frequently been said in former years might be said to-day. We have had the regular weekly dances, moving-picture shows, concerts, parties, readings,—entertainments gotten up by the patients themselves, and at

all of these music forms a considerable part of the entertainment. Out-of-door sports are encouraged, —croquet, tennis, baseball, field sports and picnics.

Assemblies of patients were held as follows: December 2, a card party; December 16, a minstrel show by Father Mathews Society of Florence; December 25, a Christmas tree and concert; January 2, a concert by the hospital orchestra; January 20, an operetta by the young people of Hadley; January 23, readings and music by Mrs. Moulton; January 29, Walter Eccles, entertainer; March 17, a card party; April 17, concert by the hospital orchestra; May 26, "The Little Rebel," by the Nu Gamma Chi; June 18, concert by the hospital orchestra; Fourth of July, sports and band concert in the evening; September 14, musical by the Misses Woods. Besides these there were motion pictures on thirty-two evenings and dancing on twenty-eight evenings.

Much has been done in the way of repairs by carpenters, painters, roofers and masons, as buildings so old as these require a great deal of attention. In the way of extra work there have been laid sidewalks from the rear entrance to the kitchen to and around the storehouse, a new sidewalk from the old walk near the paint shop to the main entrance, a distance of about 1,200 feet in length, new cement floors in the boiler room, in the basement of the house occupied by the engineer, at the horse stable, and in the fire pump house; a porch floor at the entrance to the women's infirmary, and deafening floors in the new corridor and bay window. In all of these the patients took an active part. They also helped to finish the pump house and horse stable, the corridor and bay window.

The driveway to the front door was resurfaced, and the main road from the gate nearly to the buildings at the rear was macadamized, being first excavated to a depth of 2 feet, then filled in with stone cleared from land that was thereby made available for cultivation.

The engineer's house has been thoroughly renovated with new floors, the kitchen was rearranged, a cement floor was laid in the basement, and new heating apparatus was installed. A new piazza has been built at the farmer's house and a storm porch at the house near the gate. Extensive renewals of plumbing apparatus have been needed on the wards for men, and now are so urgent as to need attention the coming year in at least six of the wards.

Our table of farm products shows the past season to have been favorable in spite of adverse weather conditions, — dryness early in the season followed by long and frequent rains. The principal crops — hay, potatoes, squash and the like — were of sufficient yield to meet our needs throughout the coming year. Much fencing has been done, and several acres of land have been reclaimed by the removal of stones. The stones thus gathered have been used in making sidewalks and roads.

Besides adding to the immediate welfare of the patients in providing a great variety of fruits and vegetables, the farm insures a wholesome supply of milk, beef and pork free from suspicion of disease germs, owing to our frequent testing of the animals; it furthermore provides occupation for a larger number of patients, and of a kind better adapted to their mental and physical condition, than any other department of the hospital.

The holidays were observed as usual. On the Fourth of July field sports were held at which contests for both sexes were arranged with prizes, and in the evening a band concert on the lawn was enjoyed by many.

Special dinners were provided on Thanksgiving Day and on Christmas. During the Christmas holidays the halls and chapel were profusely decorated. On Christmas Eve there was a Christmas tree, with concert and speaking, followed by the distribution of gifts to each patient.

Religious services have been held twice each Lord's day, in the morning for those of the Catholic faith and in the afternoon for all others, but many patients attend both services. The singing is by a choir of employees and patients.

Our appreciation is extended to the many friends who have kept in mind the happiness of our patients. We are indebted to the following persons for gifts and remembrances during the year: Mrs. Parker of Northampton, Mrs. Crossin of Pittsfield, Miss McIntee of Holyoke, Miss Orr of Adams, Mrs. Potter of Greenfield and Mr. Sullivan of North Adams for fruit, confectionery, money and other things for the Christmas tree; to Mrs. O'Brien, Mrs. Graves, Mrs. James, Miss Murphy, Mrs.

Parsons, Mrs. Crossin, Miss Wood, Miss Mercier and Mr. Watts for magazines; and to the publishers of the "Christian Register," "Our Dumb Animals," "Healthy Home Quarterly" and the "Greenfield Recorder" for regular issues of their publications.

JOHN A. HOUSTON,

Superintendent.

ARTICLES MADE IN SEWING ROOM.

Annong			470	Holders,		. 129
Aprons,			94			
Bathrobes,				·		
Binders,	•	-	74	1		
Bureau covers,			172	Milk cloths,		. 126
Buttonholes in cu	ffs,		180	Napkins,	. ,	. 192
Caps,			286	Nightgowns,		. 788
Chemises, .			29	Petticoats,		. 101
Clothes bags, .			241	Piano cover,		. 1
Couch covers,.			5	Pillow cases,		. 1,324
Coats altered,			8	Pillow ticks,		. 8
Corset covers,			69	Rugs,		. 2
Curtains, sash,			122	Sheets,		. 1,524
Curtains, shade,			22	Shirts,		. 824
Curtains, muslin,			61	Shirt waists,		. 16
Curtains, hemmed	ł,		14	Skirts, dress,		. 9
Diapers,			10	Skirts altered, .		. 16
Drawers, .			69	Stand covers, .		. 241
Dresses,			263	Tablecloths,		
Dresses altered,			42	Towels,		. 6,169
Dust cloths, .			12	Trousers shortened,	pairs,	
Extractor covers,			12	Vests altered, .		. 2
Garters, pairs,			30	Articles mended, .		

PRESERVING DONE IN KITCHEN DEPART-MENT.

Blackberries, quarts,			28	Quince, glasses,	22
Blueberries, quarts,			152	Jelly in quart jars,	35
Cherries, quarts, .			145	Grape juice in quart jars, .	18
Currant juice, quarts,			14	Canned peppers, quarts, .	14
Gooseberry juice, qua	rts,		26	Gooseberry ketchup, bottles,	17
Plums, quarts, .			108	Tomato ketchup, bottles, .	14
Raspberries, quarts,			50	Pepper hash, gallons,	6
Rhubarb, quarts, .			234	Green tomato pickle, gallons,	28
Strawberries, quarts,			300	Sweet tomato pickle, gallons,	8
Quince, quarts, .			22	Mustard pickle, gallons, .	16
Currant jelly, glasses,			125	Chow chow pickle, gallons,	53
Raspberry and apple,	glas	ses,	18	Chili sauce, gallons,	5
Crab apple, glasses,			83	Cucumber pickle, gallons, .	15
Grape, glasses, .			108	Cider, boiled, gallons,	12

WORK DONE IN INDUSTRIES DEPARTMENT.

Hair mattresses made, old hair, old ticks	5,				761
Hair mattresses made, old hair, new tick	s,				3
Hair mattresses made, new material,					24
Hair pillows made, old hair, old ticks,					225
Hair pillows made, old hair, new ticks,					12
Feather pillows made,					30
Shoes soled, pairs,					471
Shoes heeled, pairs,					369
Brooms made,					712
***** 1 1					31
Chairs caned,					83
Baskets made,					58
Stool chairs caned,			. 0		12
3 1 1					12
•					

OFFICERS AND EMPLOYEES.

[Period of service, Nov. 30, 1915.]

Names.	Years.	Months.	Days.
John A. Houston, M.D., superintendent,	26	2	7
Edward C. Greene, M.D., assistant physician,	1	5	21
Angela B. Bober, M.D., assistant physician.	4	2 8 2 2	2
Harriet W. Whitney, M.D., assistant physician, .	16	8	17
Arthur N. Ball, M.D., assistant physician,	` 3	$\begin{vmatrix} 2 \end{vmatrix}$	_
Beatrice A. Reed, M.D., assistant physician, .	_	2	12
Lewis F. Babbitt, treasurer,	24	1	18
Burton G. Fisk, supervisor,	12	1	15
Alice E. Bedell, superintendent of nurses,	13	3 8	20
Susan E. Warren, matron,	21	8 7	8
Jane Dolan, secretary to superintendent,	$\frac{1}{1}$		$\frac{10}{c}$
Euphemia Cameron, dietitian,	$\frac{1}{5}$	8 9	6
Carl W. Hammond, farmer,	19	9	13
Wm. J. Moore, steward, Ord Thomas, assistant steward,	6	$egin{array}{c} 1 \\ 2 \\ 7 \\ 7 \end{array}$	9
Ord Thomas, assistant steward,	$\frac{0}{2}$	7	$2\overset{g}{3}$
Rachel C. Packard, stenographer,	$\frac{2}{6}$	7	20
	1	8	18
Eva L. Graves, clerk,	î	1	11
Susan E. Norton clothesmarker	7	$\hat{7}$	$\frac{11}{29}$
Susan E. Norton, clothesmarker, Leon E. Bruce, baker,	10	5	4
Arthur L. Hubby assistant baker.	4	10	23
George W. Thorniley, florist,	$2\overline{2}$	7	11
Lee W. Sinclair, engineer.		2	22
Lee W. Sinclair, engineer,	17	7	29
Isaac Fisk, assistant engineer,	6	8	24
Isaac Fisk, assistant engineer, Samuel Clark, assistant engineer,	2	-	15
Floyd Newell, engineer's assistant,	1	10	17
Francis Pond, assistant engineer,	7	4	5
Henry L. Bartlett, fireman,	-	5	9
Paul H. Lewis, fireman,	_	. 8	1
Paul H. Lewis, fireman,	4	1	_
Sara A. Crané, seamstress,	_	5	9
Margaret Tobin, seamstress,	4	8	23
Addie Wood, seamstress,	5	7	20
Charles E. Williams, laundryman,	18	$rac{2}{2}$	$\frac{29}{9}$
George Begor, assistant laundryman,	8	$\begin{array}{c c} 2 \\ 1 \end{array}$	9
Georgiana Allaire, laundress,	$\frac{1}{9}$	$\begin{bmatrix} 1 \\ 5 \end{bmatrix}$	$\frac{27}{2}$
Ellen Moore, laundress,	9	$\begin{bmatrix} 0 \\ 5 \end{bmatrix}$	29
Katherine Shea, laundress,	1	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\frac{29}{23}$
"	1	$\frac{4}{2}$	$\frac{23}{22}$
Margaret Sweeney, laundress,	1	6	$\frac{22}{26}$
itable Tyler, laundress,		U	20

Names.	Years.	Months.	Days.
Marie L. Clark, usher,	_	8	2
Bertha M. Power, usher,	_	1	8
Alice Campbell, housemaid,	3	5	12
Call at a Delan harman and	_	10	19
		4	11
Anna Clark, housemaid,	_	2	$\frac{11}{22}$
Della Lasonde, housemaid,	_		29
Katherine Stone, housemaid,	_	3	
Mary Murphy, center dining room,	$\frac{2}{2}$	7	3
Josephine O'Neil, center dining room,	2	6	$\frac{21}{2}$
Victoria Ridgeck, kitchen maid,	3	3	2
Mary Shea, kitchen maid,	1	9	5
Mary Sweaney, kitchen maid,	_	2	16
Mary Wilhelm, kitchen maid,	_	2	9
Mary Wilhelm, kitchen maid,	_	-	8
Joseph Mack, kitchen,	-	1	25
Joseph Mack, kitchen, Josie Hurd, cook, Katherine Ridgeck, cook, Fred Aldrich, nurse, Alvah H. Ayer, nurse, Alexander Beaton, nurse,	5	7	8
Katherine Ridgeck, cook,	3	6	22
Fred Aldrich, nurse.	15	11	18
Alvah H. Aver. nurse.	_	3	15
Alexander Beaton, nurse.	10	4	14
George H Brooks nurse	_	$\tilde{7}$	23
George M. Clerk nurse	3	8	-9
Herbort Collier nurse	í	_	$\overset{\circ}{6}$
Marina Carbett purso	_	7	7
John Drovetsvels purgo		4	$\overset{\prime}{2}$
Alvah H. Ayer, nurse, Alexander Beaton, nurse, George H. Brooks, nurse, George M. Clark, nurse, Herbert Collier, nurse, Maurice Corbett, nurse, John Dmytryk, nurse, Thomas Dunne, nurse, John Foley, nurse, J. Everett Ford, nurse, Wallace A. Guilford, nurse, Axel Gustafson, nurse, Roy Hamilton, nurse,		8	19
Talan Falan ayanga	_	5	17
John Foley, nurse,	$\frac{-}{2}$		
J. Everett Ford, nurse,	2	5	$\frac{21}{15}$
wanace A. Guinord, nurse,	_		15
Axel Gustafson, nurse,	5	6	30
	_	7	10
Franklin Hill, nurse,	-	7	10
Matthew Hudson, nurse,	4	6	17
Arthur Johnson, nurse,	_	4	1
Patrick Kennedy, nurse,	1	-	26
George H. King, nurse,	2	6	16
Edgar Knight, nurse,	_	1	18
George H. King, nurse, Edgar Knight, nurse, John MacLean, nurse, Robert McCauley, nurse, William L. McCrillis, nurse,	1	5	25
Robert McCauley, nurse,	1	6	22
William L. McCrillis, nurse,	1	2	20
Frank McGinnis, nurse,	_	2	8
Michael McKenna, nurse,	_	7	20
George B. Metcalf, nurse.	_	2	2
Eugene Miller, nurse,	_	2	29
Archie S. Moore, nurse.	_	10	25
Frank Moore, nurse,	_	7	4
John Murphy, nurse,	_	11	28
James O'Donnell nurse	1	2	8
James O'Donnell, nurse,	1	6	15
our de la la la la la la la la la la la la la	9	6	6
Charles M Pease nurse	U		U
Charles M. Pease, nurse,	9	1 2	
Charles M. Pease, nurse,	2	3 4	- 4

Names.						Years.	Months.	Days
Raymond Schutt, nurse, .		_				_	5	_
James Stapenhill, nurse,	•	•	•	·	•	_	4	4
Casimir Tokorski, nurse,	•	•	•	•	•	_	î	19
	•	•	•	•	•	4	7	12
William A. Wood, nurse, .	•	•	٠	•	•	4		
Mary Bayle, nurse,	•	•	•	•	•	_	11	8
Goldie Bickford, nurse,	•		•	•	•	7	2	_
Mabel A. Bond, nurse,						1	_	29
Lena F. Burns, nurse,						1	5	12
Catherine Chase, nurse, .						_	2	22
Emma Clark, nurse,						-	5	13
Ruth D. Clark, nurse,						_	7	. 25
Mary G. Davis, nurse,	•	·	•	•	•	2	1	20
Lillian Fairbanks, nurse, .	•	•	•	•	•		5	6
	•	•	•	•	•	2	2	ı
Isabel Ferguson, nurse, .	•	•	•	•	•	. 4		
Frances B. Freeman, nurse,	•	•	٠,	•	•	_	1	18
Ruth A. Hall, nurse,					•	_	11	9
Florrie Horton, nurse,						3	_	24
Cora B. Kaile, nurse,						-	4	23
Cora B. Kaile, nurse,						_	8	20
H. Irene Mastin, nurse,						_	7	29
Effie Mahy, nurse,	•	•	·	·		11	4	24
Belle McGinnis, nurse,	•	•	•	•	•	1	$\hat{2}$	8
	•	•	•	•	•	_	2	19
Helen McManus, nurse, .	•	•	•	•	•		4	15
Sarah E. Morgan, nurse, .	•	•	•	•	•	_	7	
Mary Noone, nurse,	•		•	•	•	_		22
Winifred Noone, nurse, Marguerite Nelson, nurse, .						_	7	22
Marguerite Nelson, nurse, .						j –	1	29
Edith M. Pease, nurse,						-	2	1
Stella Perkowski, nurse, .						_	8	15
Ethel M. Porter, nurse, .						_	_	21
Mary Roche, nurse,	•	•	•	•	•	1	5	$\overline{22}$
Fligsboth Down nume	•	•	•	•	•		1	10
Elizabeth Rowe, nurse,	•	•	•	•	•	_	2	9
Ruth Rowe, nurse, Mellissa Sharpe, nurse,	•	•	•	•	•	_	4	
Mellissa Sharpe, nurse,	•	•	•	•	•		4	8
Sadie Sharpe, nurse,			•		•	2	4	17
Marie Simpson, nurse,					٠.	-	- `	6
Lucy J. Shaw, nurse,						-	6	27
M. Stella Smith, nurse,						-	2	2
Serepta Townsend, nurse, .						_	9	12
Mary Walsh, nurse,	•	•	·	·	·	2	1	16
Elizabeth Ward, nurse,	•	•	•	•	•		4	8
Alice M. Wilson pures	•	•	•	•	•		3	19
Alice M. Wilcox, nurse, Mary G. Wilson, nurse,	•	•	•	•	•		8	$\frac{13}{21}$
wiary G. wilson, nurse, .	•	•	•	•	•	_		
Mabel Wood, nurse,					•	8	1	18
Ruth U. Worton, nurse,						_	_	22
Florence Vitalis, nurse,						-	1	3
John J. Bradley, laborer, .						7	6	18
Thomas P. Clair, plumber,						17	7	_
Albert DeGrandpre, carpente	r.					10	10	_
Ernest Holmes, painter,	-, .		•		•	1	7	4
William LaSalla comporter	•	•	•	•	•	4	10	$\begin{vmatrix} 1 \\ 2 \end{vmatrix}$
William LaSalle, carpenter,	•	•	•	•	•	4	6	10
Arthur Lee, painter,			•			4	U	10

Names.			`			Years.	Months.	Days.
Henry Maynard, carpenter,						7	5	22
Roscoe Tobin, plumber.		·	Ċ	·		13		28
Roscoe Tobin, plumber, Walter N. Tower, carpenter,						37	10	_
David R. Burns, farmer, .		-				1	9	14
Roderick Clark, farmer.			_	_		_	$\begin{array}{c c} 2 \\ 1 \end{array}$	7
James Denny, farmer, Xavier Dion, farmer, Joseph Donheimer, farmer,						7	1	24
Xavier Dion, farmer						22	5	16
Joseph Donheimer, farmer.						_	6	23
Jake Drozdial, farmer, .						_	7	4
Ignace Bistcol, farmer						_	7	8
Ignace Bistcol, farmer, Frank Hurd, farmer,						6	7 5 7 7	10
Fred Kempker, farmer, .						4	7	_
John Kaskey, farmer						_	7	12
Joseph Kuroski, farmer, Alexander Macmaster, farmer,						-	8	_
Alexander Macmaster, farmer,							2	23
Paul Maynard, farmer, .						2	11	16
David Mercier, coachman, .						38	8	13
Alfred E. Owen, farmer						6	9	13
Alfred E. Owen, farmer, . Jay W. Phillips, farmer, .						_	8	29
Martin Ridgeck, farmer, .						1	5	28
Frank H. Sanborn, farmer.					_	8	6	22
Charles Rowley, farmer						_	1	_
Charles Rowley, farmer, . Frank Smith, farmer,						4	8	10
John Smith, farmer,						_	7	25
Walter C. Streeter, herdsman,						12	3	1
James Tyler, farmer,						1	8	6
Charles Ulrich, farmer, .			·		·	$\bar{1}$	6	18
Joseph Young, farmer, .	•	·	•	•	•	Ī	7	$\overline{2}$

FARM PRODUCTS.

Alfalfa, 24 tons,						. \$144 00
Apples, 144 barrels, .						. 432 00
Asparagus, 229 boxes, .				٠.		. 802 00
Beans, shell, 54 bushels,						. 45 90
Beans, Lima, improved, 72	bush	nels,				. 115 20
Beans, string, 181 bushels,						
Beef, cow, 3,193 pounds,						. 295 35
Beef, steer, 19,317 pounds,						. 2,462 92
Beets, 331 bushels,						. 182 00
Beets, 331 bushels, Beet greens, 184 bushels, Broilers, 209 pounds,						. 55 20
Broilers, 209 pounds, .						. 56 43
Broom brush and seed, 5,72	20 pc	ounds	,			
Brussels sprouts, 112 quart	s,		•			. 12 32
Cabbage, 26 tons,						. 299 00
Carrots, 108 bushels, .						. 75 60
Cauliflower, 3 bushels, .						. 1 65
Celery, 227 boxes,						. 170 25
Chard, 6½ bushels, .						. 2 60
Cherries, 591 quarts						. 70 92
Chickens, 868 pounds, .					٠.	. 164 92
Cider, 450 gallons,						. 67 50
Citron, 275 pounds, .						
Corn, green, 385 bushels,						
Cucumbers, 76 boxes, .						
Currants, 832 quarts, .						. 41 60
Eggs. 1.378 dozen.						. 385 84
Eggs, 1,378 dozen, . Egg plant, 12 barrels, .						. 45 00
Egg plant, 12 barrels, . Fodder, ensilage, 540 tons, Fodder, green corn, 110 to						. 2,700 00
Fodder, green corn, 110 tor	ns.					550 00
Fowl, 214 pounds,	,					. 32 10
Gooseberries, 603 quarts,						40.01
Grapes, 400 pounds, .						. 16 00
Hay, first crop, 368 tons,						. 8,464 00
Hay, second crop, 152 tons						. 1,520 00
Hides 2.323						. 348 45
Hides, 2,323,						. 3,060 00
Lettuce, 192 boxes, .						53 76
	•		·	•		
Amount carried forward	d,					. \$23,708 32

Amount brought forward	,					. \$23,708 32	2
Lumber, 8,300 feet, .						. 207 50)
Mangel-wurzel, 700 bushels,						. 175 00)
Manure, 380 cords, .						. 2,280 00)
Milk, 294,756 quarts, .						. 16,702 84	1
Mint, 52 bunches,						. 20 80)
Mint, 52 bunches, Muskmelons, 160 crates,						. 160 00)
Oats, 6 tons,						. 30 00	0
Onions, 247 bushels, .						. 148 20)
Parsley, 3 bunches, .						. 1 0	5
Parsnips, 194 bushels, .						. 126 10)
Peas, 108 bushels,						. 118 80)
Peppers, 33 bushels,						. 16 50)
Plums, 47 bushels,						. 47.00) (
Pork, 33,851 pounds, .						. 3,385 10)
Potatoes, 3,992 bushels,						. 2,994 00)
Pumpkins, 9,400 pounds,						. 70 50)
Quinces, 5 bushels, .						. 8 78	5
Radishes, 389 bushels, .						. 194 50	0
Raspberries, 35 quarts, .						. 5 2	5
Raspberries, 35 quarts, . Rhubarb, 16,930 pounds,						. 169 30	0
Rye, 9 bushels,						. 11 70	0
Salsify, 18 bushels, .						. 18 00	0
Spinach, 490 bushels, .						. 147 00	0
Squash, summer, 89 barrels,						. 53 40	0
Squash, winter, 3,900 pound	s.					. 585 00	0
Strawberries, 5,090 quarts,						. 509 0	0
Tomatoes, green or ripe, 521						. 312 60	0
Turnips, 963 bushels, .		. ′				. 577 80	0
Watermelons, 3,700 pounds,						. 555 0	0
Wood, 40 cords,						. 160 0	0
,,,							
Sales: —			,				
Cows and calves,						. 522 0	0
Hides,						. 236 0	5
Sundries,						. 14 3	1
							_
Total farm product,					. •	. \$54,271 3	7

VALUATION.

REAL ESTATE.

Grounds and building	g sites,	23	acres,		\$4,861	20		
Woodland, 93 acres,					19,655	55		
Mowing, 110 acres,					23,248	50		
Pasturage, 185 acres								
Tillage, 100 acres, .					21,135	00		
Hospital building, .					624,619	00		
Farmhouse,					2,000	00		
Brick house,					2,500	00		
Three dwellings, .					5,500	00		
Cold storage,					30,000	00		
Two barns,					5,500	00		
Cow stable,					13,000	00		
Horse stable,					6,000	00		
Lumber shed,					'850	00		
Piggery,					3,000	00		
Cart shed,					400	00		
Pump house,					400	00		
Paint shop,			٠.		2,039	00		
Laundry,					40,353	00		
Bradley house, .					1,000	00		
Burnett house, .					1,700	00		
Farm horse stable, .					9,000	00		
House for fire protec					4,000	00		
Cook house and bar	n, .				2,500	00		
Total real estat							\$862,361	00
,								

Personal Estate.

Food,			\$6,746 40
Clothing,			2,661 54
Furnishings,			48,527 42
Heat, light and power, .			117 55
Repairs and improvements,			5,554 56
Farm, stable and grounds,			50,174 75
Miscellaneous,			

\$116,483 55

\$681 00

	S	TATE	MEN	OF	Fun	IDS.				
On hand Nov. 30, 1	914,						\$2,825	61		
Receipts,							2,168	09		
									\$4,993	70
Refunded, .	•	•	٠	٠		٠		٠	1,993	94
Balance on han	d Nov	. 30,	1915	, .					\$2,999	76
		Fred	В. І	Kelly	Fun	d.				
Balance Nov. 30, 19	14, .						\$668	56		
Income,							40	32		
									\$708	88
Expended for tobacc	30, .			٠.				•	27	88
Balance on har	nd No	v. 30	. 19	15. i	in th	e No	orthamp	on		

Institution for Savings,

TREASURER'S REPORT.

To the Trustees of the Northampton State Hospital.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1915:—

	CA	SH Ac	COU	T.				
Balance Dec. 1, 1914, .	•	•		٠			\$1,938	88
		Receip	ots.					
Institution Receipts.								
Board of inmates -								
Private,		\$34.	904	00				
Reimbursements, insane,		16	,140	57				
					\$51,044	57		
Sales: —								
Food,			\$383	99			-	
Clothing and materials, .			275	67				
Furnishings,			95	51				
Miscellaneous,			128	26				
Farm, stable and grounds: -								
Cows and calves. \$522 0	00							
Hides 236 0)5							
Sundries, 14 3								
	_		772	36				
					1,655	79		
Miscellaneous receipts: —								
Interest on bank balances,			\$131	07				
Rent			37	50				
Sundries,			38	94				
· ·					207	51		
							52,907	87
Receipts from Treasury of Co	mm	onweal	th.					
Maintenance appropriations: -								
Balance of 1914,					\$10,968	67		
Advance money (amount on ha	and I	Novem	ber a	30),	6,000	00		
Approved schedules of 1915,								
Less returned,				17				
					192,217	23		
							209,185	90
Special appropriations, .							12,631	00
Total,							\$276,663	65
10001,	•	•	•	•		•	Ψ2.0,000	00

		I	aym	ents.					
To treasury of Commonwe		institu	•		ots,			\$52,907	87
Maintenance appropriation									
Balance November sche	dule,	1914,		•	•	\$12,946			
Eleven months' schedule			•	٠		192,217			
November advances,	•	•	•	•	•	3,513	19		
								208,677	24
Special appropriations: -									
						\$12,631	00		
Approved schedules, Less advances, last year	's rep	ort,				39			
								12,591	73
T 1 37 90 1015									
Balance, Nov. 30, 1915,						901	0.1		
In bank,	•	•	•	•	•	\$31			
In office,	•	•	٠	•	•	2,455	80	0.400	0.1
							_	2,486	81
Total								#976 669	0.5
Total,	•	•	•	•	•		•	\$276,663	oo
		Ma	INTE	NANCI	E.				
Appropriation,								\$207,800	00
Expenses (as analyzed belo	ow),							207,660	
•									
Balance reverting to tre	asury	of Co	mm	onwea	lth,			\$139	72
				77					
~ 1		Analys	sis of	Expe	nses.				
Salaries, wages and labor:	_			Expe	nses.	#9.000	00		
J. A. Houston, M.D., su	— perir	ntende		\cdot Expe	nses.	\$3,000			
J. A. Houston, M.D., su General administration,	— perir	ntende		Expe	nses.	22,505	97		
J. A. Houston, M.D., su General administration, Medical service,	— perir	ntende		: Expe	nses.	22,505 $6,775$	97 28		
J. A. Houston, M.D., su General administration, Medical service, Ward service (male),	— iperir :	ntende	nt,	: Expe	nses.	22,505 6,775 18,925	97 28 17		
J. A. Houston, M.D., su General administration, Medical service, Ward service (male), Ward service (female),	— iperir · · ·	ntende	nt,	` Expe	nses.	22,505 6,775 18,925 14,772	97 28 17 37		
J. A. Houston, M.D., su General administration, Medical service, Ward service (male), Ward service (female), Repairs and improvement	— iperin	ntende	nt,	: Expe	nses.	22,505 6,775 18,925 14,772 7,696	97 28 17 37 15		
J. A. Houston, M.D., su General administration, Medical service, Ward service (male), Ward service (female),	— iperin	ntende	nt,	: Expe	nses.	22,505 6,775 18,925 14,772	97 28 17 37 15	, 201 745	74
J. A. Houston, M.D., su General administration, Medical service, . Ward service (male), Ward service (female), Repairs and improvement Farm, stable and ground	iperin	ntende	nt,	: Expe	nses.	22,505 6,775 18,925 14,772 7,696	97 28 17 37 15	\$83,745	
J. A. Houston, M.D., su General administration, Medical service, Ward service (male), Ward service (female), Repairs and improvement	iperin	ntende	nt,	Expe	nses	22,505 6,775 18,925 14,772 7,696	97 28 17 37 15		74 04
J. A. Houston, M.D., su General administration, Medical service, . Ward service (male), Ward service (female), Repairs and improvement Farm, stable and ground	iperin	ntende	nt,	Expe	nses.	22,505 6,775 18,925 14,772 7,696	97 28 17 37 15		
J. A. Houston, M.D., su General administration, Medical service, . Ward service (male), Ward service (female), Repairs and improvement Farm, stable and ground	iperin	ntende	nt,	Expe	nses.	22,505 6,775 18,925 14,772 7,696	97 28 17 37 15		
J. A. Houston, M.D., su General administration, Medical service, Ward service (male), Ward service (female), Repairs and improvement Farm, stable and ground Labor not on pay roll,	iperin	ntende	nt,	Expe	nses.	22,505 6,775 18,925 14,772 7,696	97 28 17 37 15 80		
J. A. Houston, M.D., su General administration, Medical service, Ward service (male), Ward service (female), Repairs and improvement Farm, stable and ground Labor not on pay roll,	mpering	ntende	nt,	Expe	nses.	22,505 6,775 18,925 14,772 7,696 10,070	97 28 17 37 15 80		
J. A. Houston, M.D., su General administration, Medical service, . Ward service (male), Ward service (female), Repairs and improvement Farm, stable and ground Labor not on pay roll,	iperin	ntende	nt,	Expe	nses.	22,505 6,775 18,925 14,772 7,696 10,070	97 28 17 37 15 80 		
J. A. Houston, M.D., su General administration, Medical service, Ward service (male), Ward service (female), Repairs and improvement Farm, stable and ground Labor not on pay roll, Food:— Butter, Butterine,	mpering	ntende	nt,	Expe	nses.	22,505 6,775 18,925 14,772 7,696 10,070 	97 28 17 37 15 80 		
J. A. Houston, M.D., su General administration, Medical service, Ward service (male), Ward service (female), Repairs and improvement Farm, stable and ground Labor not on pay roll, Food:— Butter,	mperin	ntende	nt,	Expe	nses.	22,505 6,775 18,925 14,772 7,696 10,070 	97 28 17 37 15 80 		
J. A. Houston, M.D., su General administration, Medical service, Ward service (male), Ward service (female), Repairs and improvement Farm, stable and ground Labor not on pay roll, Food: Butter, Butterine, Beans, Geneals, rice, meal, etc.,	mperin	ntende	nt,	Expe	nses.	22,505 6,775 18,925 14,772 7,696 10,070 	97 28 17 37 15 80 		
J. A. Houston, M.D., su General administration, Medical service, Ward service (male), Ward service (female), Repairs and improvement Farm, stable and ground Labor not on pay roll, Food: Butter, Butterine, Beans, Bread and crackers, Cereals, rice, meal, etc., Cheese, Eggs,	mperin	ntende	nt,	Expe		22,505 6,775 18,925 14,772 7,696 10,070 	97 28 17 37 15 80 		
J. A. Houston, M.D., su General administration, Medical service, Ward service (male), Ward service (female), Repairs and improvement Farm, stable and ground Labor not on pay roll, Food: Butter, Butterine, Beans, Bread and crackers, Cereals, rice, meal, etc., Cheese, Eggs,	mperin	ntende	nt,	Expe		22,505 6,775 18,925 14,772 7,696 10,070 	97 28 17 37 15 80 		
J. A. Houston, M.D., su General administration, Medical service, Ward service (male), Ward service (female), Repairs and improvement Farm, stable and ground Labor not on pay roll, Food: Butter, Butterine, Beans, Bread and crackers, Cereals, rice, meal, etc., Cheese, Eggs, Flour, Fish,		ntende	nt,	Expe		22,505 6,775 18,925 14,772 7,696 10,070 	97 28 17 37 15 80 37 12 76 14 30 49 13 78		
J. A. Houston, M.D., su General administration, Medical service, Ward service (male), Ward service (female), Repairs and improvement Farm, stable and ground Labor not on pay roll, Food: Butter, Butterine, Beans, Cereals, rice, meal, etc., Cheese, Eggs, Flour, Fish, Fruit (dried and fresh),	uperin	ntende	nt,	Expe		22,505 6,775 18,925 14,772 7,696 10,070 	97 28 17 37 15 80 		
J. A. Houston, M.D., su General administration, Medical service, Ward service (male), Ward service (female), Repairs and improvement Farm, stable and ground Labor not on pay roll, Food: Butter, Butterine, Beans, Cereals, rice, meal, etc., Cheese, Eggs, Flour, Fish, Fruit (dried and fresh),	uperin	ntende	nt,	Expe		22,505 6,775 18,925 14,772 7,696 10,070 	97 28 17 37 15 80 		
J. A. Houston, M.D., su General administration, Medical service, Ward service (male), Ward service (female), Repairs and improvement Farm, stable and ground Labor not on pay roll, Food:— Butter, Butterine, Beans, Bread and crackers, Cereals, rice, meal, etc., Cheese, Eggs, Flour, Fish, Fruit (dried and fresh), Lard, Meats,	uperin	ntende	nt,	Expe		22,505 6,775 18,925 14,772 7,696 10,070 	97 28 17 37 15 80 		
J. A. Houston, M.D., su General administration, Medical service, Ward service (male), Ward service (female), Repairs and improvement Farm, stable and ground Labor not on pay roll, Food: Butter, Butterine, Beans, Cereals, rice, meal, etc., Cheese, Eggs, Flour, Fish, Fruit (dried and fresh),	uperin	ntende	nt,	Expe		22,505 6,775 18,925 14,772 7,696 10,070 	97 28 17 37 15 80 37 12 76 14 30 49 13 78 84 56 80 97		

\$47,066 88 \$83,763 78

Amounts carried forward,

,							
$Amounts\ brought\ forward,$					\$47,066 88	\$83,763	78
Food — Con.							
Spices, seasonings, salt, etc.,					\$561 83	1	
Sugar,	·				5,088 58		
Tea, coffee, broma and cocoa,		Ċ	·	Ī	2,603 3		
Vegetables,	i	i	·		891 6		
Yeast,		•	·		403 30		
Sundries,		•		-	797 24		
•		-				- 57,412	91
Clothing and materials: —							
Boots, shoes and rubbers,					\$1,082 29	9	
Clothing,		·	·		2,007 5		
Dry goods for clothing and sm	ıall w	rares	•		1,454 9		
Furnishing goods,		ui os,	•		162 0		
Hats and caps,	•		•	•	40 2		
Leather and shoe findings,	•	•	•	•	61 63		
Materials and machinery for n		footus	rina	•	144 8		
	папи.	ractu.	ring,	•	35 18		
Sundries,	•	•	•	•	99 1	- 4,988	81
Furnishings: —							
Beds, bedding, table linen, etc	,				\$3,390 0	0	
		•	•	•	φ3,390 0 64 49		
Brushes, brooms,	•	•	•	•	156 79		
Carpets, rugs, etc.,		•	•	•	612 9		
Crockery, glassware, cutlery,	эте.,	•	•	•			
Furniture and upholstery,	٠	•	•	•	75 79		
Kitchen furnishings,	•			•	727 1		
Materials and machinery for i			ring,	•	272 9		
Wooden ware, buckets, pails,	etc.,	•	•	•	125 3		
Sundries,	•	•	٠	•	27 5	8 - 5,453	Λo
						0,±00	02
Heat, light and power: —					017 010 0	_	
Coal,	•	•	•	•	\$7,612 9		
Freight on coal,		•	•		5,246 6		
Wood (charcoal),	•	•	•	•	70 0		
Electricity,			•	•	69 4		
Gas,			•		90 7		
Oil,					195 0	_	
Sundries,					58 7		
			•			- 13,343	68
Repairs and improvements: —							
Cement, lime and plaster,		•			\$1,099 0		
Doors, sashes, etc.,	•	•		•	6 4		
Electrical work and supplies,					791 1		
Hardware,					1,101 7		
Lumber,					1,540 0	9	
Machines (detached), . Paints, oil, glass, etc., .		•			192 0		
Paints, oil, glass, etc., .					1,436 5	6	
Plumbing, steam fitting and s	uppli	ies,			3,180 4	8	
Roofing and materials, .					527 7	2	
Sundries,					152 4		
						- 10,027	68
Amount carried forward,	•.					. \$174,989	88

Amount brought fo	orwar	d,	•		•				\$174,989	88
Farm, stable and grou	ınds:	_							7)	
Blacksmith and sur			_				\$657	80		
Carriages, wagons,			nairs.		i	·	377			
Fertilizers, vines, se						·	2,002			
Hay, grain, etc.,			Ť	•	Ī	•	10,526			
Harnesses and repa		•	Ť	•		Ī	252			
Horses,		•	•	•	•	•	1,045			
Cows,			-		•		132			
Other live stock,	•	:	•	•	•	•	1,298			
Rent,	•		•	•	•	·	75			
Tools, farm machin	es. ef	.c	•	•	•	•	758			
Sundries, .		,0.,	•	•	•	•	565			
bullution, .	•	•	•	•	•	•		···	17,690	59
									11,030	00
Religious services,	•	•	•			•		•	1,495	60
				¬						
Miscellaneous: —										
Books, periodicals,	etc.,						\$212	36		
Cuspidor supplies,							8	00		
							824	55		
Freight, expressage	and	transp	ortat	ion,			194	04		
Funeral expenses,							43	00		
Lavatory supplies,							234	15		
Hose, etc., .							424	06		
Medicines and hosp	oital a	ilague	es.	•			1,089	04		
Medical attendance				tra).			211			
Manual training su		-					337	36		
Patients' board out							2,617			
Postage, .							392			
Printing and printi	ng su	pplies	3.			-	187			
Printing annual rep					•	-	166			
Return of runaway		·	Ī		Ċ	•	134			
Soap and laundry					Ċ	·	1,389		•	
Stationery and office				•	•	•	589			
Travel and expense					•	•	788			
Telephone and tele			,,	•	•	•	261			
Tobacco, .	S. up.	-,	•	•	•	•		66		
Water,	•	•	•	•	•	•	2,971			
Sundries.	•	•	•	•	٠	•	262			
Sunuries, .	•	•	•	•	•	•			13,484	21
Total expenses f	or ma	inten	ance,			٠.			\$207,660	
		Spe	CTAT.	Арръ	ימקה	ATION	4 .			
Balance Dec. 1, 1914		. OPE	·	AAL T IL	~ 1111	UN			\$12,645	37
Expended during the	•	-		ent e	nnev	ed)	\$12,631	00	Ψ12,010	٥,
Reverting to treasury								37		
revering to measury	, or C	ошш	OHWES	ur UII,	•	•	14	. 31	12,645	37
									14,040	
Balance Nov. 30), 191	5,							-	

RESOURCES AND LIABILITIES.

Resources.	
Cash on hand,	. \$2,486 81
November cash vouchers (paid from advan	
money), account of maintenance,	3,513 19
Due from treasury of Commonwealth, account	
November, 1915, schedule,	. 9,443 05
	\$15,443 05
Liabilities.	
Schedule of November bills,	

PER CAPITA.

During the year the average number of inmates has been 943. Total cost for maintenance, \$207,660.28. Equal to a weekly per capita cost of \$4.234. Receipt from sales, \$1,655.79. Equal to a weekly per capita of \$0.033. All other institution receipts, \$51,252.08. Equal to a weekly per capita of \$1.045.

Special Appropriations.

OBJECT.	Act or Resolve.	Whole Amount.	Expended during Fiscal Year.	Expended to Date.	Balance at End of Year.
Stable,	. Acts 1914, chap. 106,	\$9,000	\$4,603 08	\$8,999 18	\$0 821
Enlarging hall and corridor,	. Acts 1914, chap. 124,	8,000	7,113 43	7,996 43	3 571
Fire protection,	. Acts 1914, chap. 124,	4,000	914 49	3,990 02	186 6
		\$21,000	\$21,000 \$12,631 00 \$20,985 63	\$20,985 63	1

1 Reverting to treasury of the Commonwealth.

Respectfully submitted,

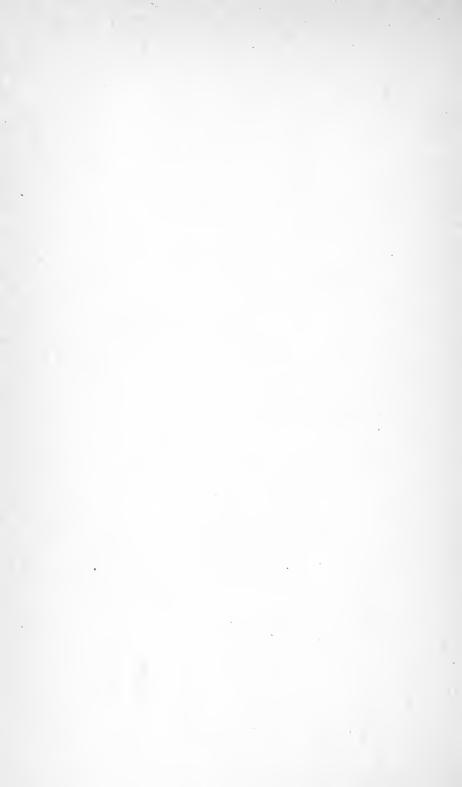
LEWIS F. BABBITT,

Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

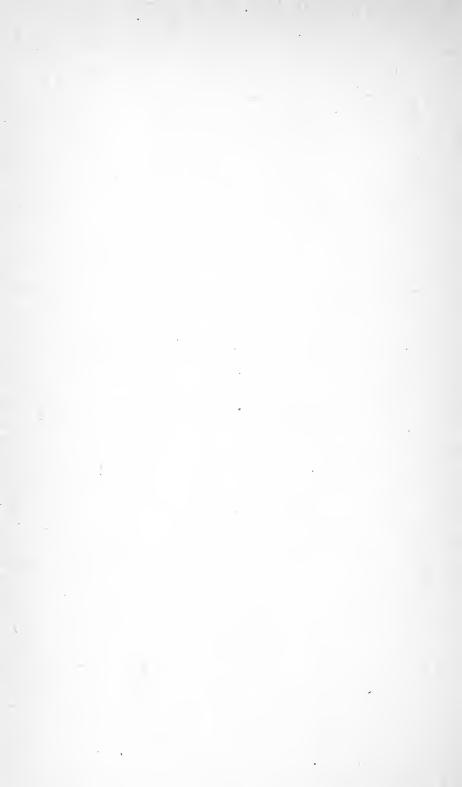
ALONZO B. COOK,

Auditor.



STATISTICAL TABLES.

[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]



1. — General Statistics for the Year.

Tan Totals. Temples.	
The first state of the first sta	2
The property of the property o	67
The first of the f	•
The property of the property o	ı
The property of the property o	ı
Tasans. Tasans. Todours. ı	
The state of the s	63
The state of the s	63
Insan T	1
TNSAN E. T. T. T. T. T. T. T. T. T. T. T. T. T.	1
TNSAN E. T. T. T. T. T. T. T. T. T. T. T. T. T.	1
TNSA N	1
F#### 1-401 15-11 10 0 15 15 25 25 27 25 25 25 25 2	1
F#### 1-401 15-11 10 0 15 15 25 25 27 25 25 25 25 2	1
	1
	•
99.	ont,
ad, nent, discharge, hin the year,	commitment
ll 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이	comi
Sept. Se	ls for
s under care Sept. spital mily care, regularly committe emergency, remergency, remergency, remporary care, remergency, remporary care, remergency, remporary care, remergency, remporary care, remergency, remporary care, remergency, remporary care, remergency, remporary care, remergency, remporary care, remergency, rem	nissa
a under care in infly care regularly cor energency, transfer, voluntary, transfer, voluntary, voluntary, temporary can pby regular cemergency voluntary, voluntary, from visit, from visit, from visit, from escape as acopale as improve as acopale as improve as anot imp as not	l disr
Patients under care Sept. In hospital, In family care, Viz.: regularly committe emergency, transfer, voluntary, temporary care, voluntary, temporary care, voluntary, temporary care, voluntary, temporary care, voluntary, temporary care, voluntary, temporary care, voluntary, temporary care, voluntary, temporary care, voluntary, temporary care, voluntary, temporary care, voluntary, temporary care, voluntary, temporary care, voluntary, temporary care, voluntary, temporary care, voluntary, temporary care, voluntary, temporary care, temporary	Nominal dismissals for
Patie In Viza Adm Viz Viza Whol Dism Viza Viza Viza Viza Viza Viza Viza Viza	ž

1. — General Statistics for the Year — Concluded.

Temporary Inebriates. Acoredates	Females. Totals. Males. Totals. Totals. Alales.	481 474 955 478 482 925 478 482 925 467 460 927 467 460 927 468 4 10 6 12 6 4 10 1 2 1 2 1 20 10 46 0.67 0.57 0.57 47.97 936.08 21 0.46 0.67 0.57 0.57 385.08 21 1.46 0.67 0.57 0.57 385.08 21 1.46 0.67 0.57 0.57 385.08 22 1 477 97 386.41 1916.81 23 1.45 386.41 24 10 1.45 0.67 0.57 0.57 385.08 25 1.45 385.71 26 1.46 0.67 0.57 0.57 385.08 27 1.47 97 386.41 28 1.48 38.18 28 1.48 38.18 28 1.48 38.18 28 1.48 38.18 28 1.48 38.18 28 1.48 38.18 28 1.48 38.18 28 1.48 38.18 28 1.48 38.18 28 1.48 38.18 28 1.48 38.18 28 1.48 38.18 28 1.48 38.18 28 1.48 38.18 28 1.48 38.18 28 1.48 38.18 28 1.48 38.18 28 1.48 38 38.18 38 38 38 38 38 38 38 38 38 38 38 38 38 3
ANE.	Totals.	म् म्म् अथा।।था।था।था।थकककक।।ठै।ठैठै।।।।।।। ०
Nor Insane. Voluntary.	Females.	
	Totals.	953 918 918 927 14 14 1339 1339 312 312 312 312 312 312 312 312 312 312
INSANE.	Females.	440 440 460 460 460 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	Males.	488 467 8 467 10 10 10 10 10 10 11 11 12 13 14 15 16 16 17 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19
		Patients under care Sept. 30, 1915. In hospital. In family care. Viz.: regularly committed, emergency, voluntary, temporary care, transfers, supported as State patients, as reimbursing patients, as reimbursing patients, as reimbursing patients, supported as State patients, where of different persons admitted, Number of different persons admitted, Number of different persons admitted, Number of different persons admitted, Number of different persons dismissed, Number of different persons enable of self-support, Daily average number in hospital, Daily average number in hospital, Viz.: State patients, Viz.: State patients, Viz.: State patients, Whole number of emergency admissions, Whole number of consergency admissions, Whole number of temporary admissions, Whole number of temporary care admissions, Whole number of temporary care admissions, Whole number of temporary care admissions, Whole number of temporary care admissions,

2. — Family Care Department.

					Males.	Females.	Totals.
Remaining Sept. 30, 1914, .					3	21	24
Admitted within the year, .		٠.			3	16	19
Whole number of cases within t	he y	ear,			6	37	43
Dismissed within the year, .				.	3	5	8
Viz.: returned to institution,				.	3	4	7
discharged,					-	1	1
died,					-	-	-
Remaining Sept. 30, 1915, .					3	32	35
Supported by the State, .				.	-	25	25
Private,					1	4	5
Self-supporting,				.	2	3	5
Number of different persons wi	thin	the y	ear,		4	35	39
Number of different persons ad	mitt	ed,			3	16	19
Number of different persons dis	miss	ed,			3	5	8
Daily average number,					2.342	25.227	27.569
State,					1 -	19.112	19.112
Private,					.747	3.115	3.862
Self-supporting,					1.595	3.000	4.595

3. — Insane received on First and Subsequent Commitments.

						CA	SES COMMITTE	ED.
NUMBER OF	СОМ	MIT	MEN	TS.		Males.	Females.	Totals.
First to this hospital, .				•		171	162	333
Second to this hospital,					.	16	16	32
Third to this hospital, .						4	6	10
Fourth to this hospital,		•				3	2	5
Fifth to this hospital, .						1	1	2
Sixth to this hospital, .					.	1	1	2
Total cases,					.	196	188	384
Total persons,						194	185	379
Never before in any hospi	tal fo	r the	insa	ne,	 .	152	151	303

4. — Nativity and Parentage of Insane Persons first admitted to Any Hospital.

				1	MALES		F	EMALE	s	T	OTALS	
PLACES OF	NA	TIVI	ΓY.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.
Massachusetts,				66	21	24	61	30	29	127	51	53
Other New Englar	d St	ates,		17	15	14	11	12	13	28	27	27
Other States, .				8	11	11	15	7	9	23	18	20
Total native,				91	47	49	87	49	51	178	96	100
Other countries:	_			ĺ								
Australia, .				-	-	-	- 1	-	1	-	-	1
Austria,				5	5	5	7	7	7	12	12	12
Belgium,				1	1	1	-	-		1	1	1
Bermuda, .				-	-	-	1	_	1	1	_	1
Canada,				14	18	19	11	18	14	25	36	33
England,				7	6	7	2	4	7	9	10	14
France,				2	3	2	1	1	1	3	4	3
Germany, .				3	5	4	3	9	10	6	14	14
Hungary, .				_	-	_	1	1	1	1	1	1
Ireland,				9	28	30	20	39	35	29	67	65
Italy,				6	7	7	5	6	6	11	13	13
Norway,				1	1	1	-	_	-	1	1	1
Nova Scotia, .				_	_	-	1	1	1	1	1	1
Poland,				2	3	3	3	3	3	5	6	6
Portugal,				1	2	2	-	_	_	1	2	2
Russia,				8	8	8	4	4	4	12	12	12
Scotland,				-	4	4	2	4	3	2	8	7
Sweden,				_	_	_	3	4	4	3	4	4
Switzerland, .	٠.			_	_	_	_	1	1	_	1	1
Total foreign,				59	91	93	64	102	99	123	193	192
Unknown,				2	14	10	_	_	1	2	14	11
Totals,		-		152	152	152	151	151	151	303	303	303

5. - Residence of Insane Persons admitted from the Community.

				7	r admi o Any ospita			L OTH		7	COTALS	
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Hampshire County,				29	26	55	5	2	7	34	28	62
Hampden County,				76	79	155	24	18	42	100	97	197
Franklin County,				13	14	27	5	6	11	18	20	38
Berkshire County,				32	31	63	8	7	15	40	38	78
Worcester County,				1	1	2	-	1	1	1	2	3
Essex County,				1	-	1	-	-	-	1	-	1
Totals, .				152	151	303	42	34	76	194	185	379
Unknown, .			. •	-	-	-	-	-	-		-	
Totals, .		•		152	151	303	42	34	76	194	185	379
Cities and towns,				115	110	225	29	25	54	144	135	279
Country districts,				37	41	78	13	9	22	50	50	100
Totals, .	•			152	151	303	42	34	76	194	185	379

6. — Civil Condition of Insane Persons first admitted to Any Hospital.

					Males.	Females.	Totals.
Unmarried,					59	58	117
Married, .					83	60	143
Widowed,					9	29	38
Divorced,					1	4	5
Unknown,					-	_	-
Totals,					152	151	303

7. — Occupation of Insane Persons first admitted to Any Hospital.

					Маі	LES.					
Barber, .					1	Overseers,					
Bartender.	•	•	•	•	i	Painters, .	•	•	•	•	é
	•	•	•	•	i		•	•	•	•	
Bookmaker,	•	•	•	•		Paper maker,	•	•	•	•	
Brakeman,	•	•	•	•	1	Pattern maker,	•	•	•	•	
Brewer, .		•	•	•	1	Photographer,	•	•		•	
arpenters,	•	•	•	•	7	Physician,		•	•		
Cigar makers,	•	•			5	Pressman,					
Clerks, .					5	Printer, .					
Coachman,					1	Retired, .					
Oyer, .					1	Rooter, .					
armers, .					5 7	Saloonkeeper,	_			_	
arm laborers,					7	Shoemaker,			Ī.	Ī	
iremen, .	•	•	•	•	2	Steward, .	•	•	•	•	
lorist, .	•	•	•	•	ĩ	Storekeeper,	•	•	•	•	
anitor.	•	•	•	•	i	Students, .	•	•	•	•	
amior, .	•	•	•	•		Tailers, .	•	•	•	•	
aborers, .	•	•	•	•	36	Tailors, . Teamster,	•	•	•	•	
aundryman,	•	•	•	•	1	l eamster,	;	•	•	•	
oomfixer,		•	•	•	1	Telegraph opera	tor,	•	•		
umbergrader,					1	Tinsmith					
Iachinists,					9	Weavers, . Whip makers,					
Iail carrier,					1	Whip makers.					
Ierchants,					4	No occupation,					1
Ietal worker,		-	-	-	1			-	-	-	
filk inspector,	•	•	•	•	î	Total,					15
peratives,	•	•	•	•	$1\overline{5}$	1000,	•	•	•	•	
gent.					FEM.	<u> </u>					2
Cashier, . Cooks, . Comestics, Oressmakers,		:	:	:	1 1 8 5 4	Operatives, School-teacher, School-teacher, Seamstress, Storekeepers,	: retir	ed,	:	:	2
Cashier, . Cooks, . Domestics, Dressmakers, Lairdresser,		:	:	: : : : : : : : : : : : : : : : : : : :	1 1 8 5 4	Operatives, School-teacher, School-teacher, Seamstress, Storekeepers, Students,	retir	ed,	:	:	
Cashier, . Cooks, . Domestics, Dressmakers, Lairdresser,		:	:	:	1 1 8 5 4 1 5	Operatives, School-teacher, School-teacher, Seamstress, Storekeepers, Students, Weavers,	retir	ed,	:	:	
Cashier, . Cooks, . Comestics, Oressmakers, Lairdresser, Lousewives,		:	:	:	1 1 8 5 4 1 5 22	Operatives, School-teacher, School-teacher, Seamstress, Storekeepers, Students,	retir	ed,	:		
Cashier, Cooks, Comestics, Oressmakers, Lairdresser, Lousewives, Lousework,			:	:	1 1 8 5 4 1 5	Operatives, School-teacher, School-teacher, Seamstress, Storekeepers, Students, Weavers,	retir	ed,	:	:	2
ashier, books, cooks, cooks, comestics, consenses, lairdresser, lousewives, cousework, fulliner, furses,				:	1 1 8 5 4 1 5 22 1 3	Operatives, School-teacher, School-teacher, Seamstress, Storekeepers, Students, Weavers,	retir	ed,	:		2
ashier, ooks, ooks, oressmakers, lairdresser, lousewives, lousework, lilliner, urses,					1 1 8 5 4 1 5 22 1	Operatives, School-teacher, School-teacher, Seamstress, Storekeepers, Students, . Weavers, . No occupation,	retir	ed,	:		
ashier, books, cooks, cooks, comestics, consenses, lairdresser, lousewives, cousework, fulliner, furses,				:	1 1 8 5 4 1 5 22 1 3 2	Operatives, School-teacher, School-teacher, Seamstress, Storekeepers, Students, . Weavers, . No occupation,	retir	ed,	: : : : : : : : : : : : : : : : : : : :		2
ashier, . looks, . looks, . looks, . loomestics, . loosemakers, . lairdresser, . lousewives, . lousework, . lilliner, . lurses, . lurse maids, . looiler maker, .		:			1 1 8 5 4 1 5 22 1 3 2	Operatives, School-teacher, School-teacher, Seamstress, Storekeepers, Students, Weavers, No occupation, Total, OF— Lumberman,	retir				10
Jashier, Jooks, Cooks, Cooks, Cooks, Cooks, Cooks, Cooks, Cooks, Cousewives, Housework, Milliner, Jurses, Lurse maids, Coiler maker, Carpenter, Carpenter,		:			1 1 8 5 4 1 5 22 1 3 2 WIFE	Operatives, School-teacher, School-teacher, Seamstress, Storekeepers, Students, Weavers, No occupation, Total, OF— Lumberman, Machinist,	retir	ed,	:		10
ashier, jooks, joomestics, pressmakers, lairdresser, lairdresser, lousewives, lousework, filliner, lurses, lurse maids, coller maker, carpenter, lerek,					1 1 8 5 4 1 5 22 1 3 2	Operatives, School-teacher, School-teacher, Seamstress, Storekeepers, Students, Weavers, No occupation, Total,	retir	ed,			
ashier, jooks, joomestics, pressmakers, lairdresser, lairdresser, lousewives, lousework, filliner, lurses, lurse maids, coller maker, carpenter, lerek,					1 1 8 5 4 1 5 22 1 3 2 WIFE	Operatives, School-teacher, School-teacher, Seamstress, Storekeepers, Students, Weavers, No occupation, Total, OF— Lumberman, Machinist, Mail carrier,	retir	ed,			10
ashier, Jooks, Joomestics, Dressmakers, Lairdresser, Lousewives, Lousework, Lurses, Lurses, Lurse maids, Boiler maker, Largenter, Lorgineer,					1 1 8 5 4 1 5 22 1 3 2 WIFE	Operatives, School-teacher, School-teacher, Seamstress, Storekeepers, Students, Weavers, No occupation, Total, OF— Lumberman, Machinist, Mail carrier, Milkman,	retir	ed,			10
ashier, Joonestics, Joonestics, Joresmakers, Lairdresser, Lairdresser, Lousework, Gilliner, Lurses maids, Boiler maker, Larpenter, Lerk, Larpener, Laypressman,					1 1 8 5 4 1 5 22 1 3 2 WIFE	Operatives, School-teacher, School-teacher, Seamstress, Storekeepers, Students, Weavers, No occupation, Total, OF— Lumberman, Machinist, Mail carrier, Milkman, Operative,	retir				10
Cooks, Co					1 1 8 5 4 1 5 22 1 3 2 2 WIFE	Operatives, School-teacher, School-teacher, Seamstress, Storekeepers, Students, Weavers, No occupation, Total, OF— Lumberman, Machinist, Mail carrier, Milkman, Operative, Plumber,	retir	ed,			10
ashier, . looks, . loomestics, oressmakers, . lairdresser, . lousewives, . lousework, . lurses, . lurses, . lurse maids, . lur					1 1 8 5 4 1 5 22 1 3 2 WIFE	Operatives, School-teacher, School-teacher, Seamstress, Storekeepers, Students, Weavers, No occupation, Total, OF— Lumberman, Machinist, Mail carrier, Milkman, Operative, Plumber, Salesman,	retir				2
ashier, Jooks, Joomestics, Joresmakers, Lairdresser, Lousewives, Lousework, filliner, Jurse maids, Boiler maker, Jarpenter, Jerk, Jursesman, Jurner,					1 1 8 5 4 1 5 22 1 3 2 WIFE	Operatives, School-teacher, School-teacher, Seamstress, Storekeepers, Students, Weavers, No occupation, Total, OF— Lumberman, Machinist, Mail carrier, Milkman, Operative, Plumber, Salesman, Steam fitter,	retir	ed,			2
ashier, cooks, cooks, cooks, coresmakers, cusewives, cusework, filliner, curses, curse maids, carpenter, carpent					1 1 8 5 4 1 5 22 1 3 2 WIFE 1 1 1 1 5 1 1	Operatives, School-teacher, School-teacher, Seamstress, Storekeepers, Students, Weavers, No occupation, Total, OF— Lumberman, Machinist, Mail carrier, Milkman, Operative, Plumber, Salesman, Steam fitter, Tailor.	retir	. ed,			2
Cashier, Cooks, Cooks, Coressmakers, Coressmakers, Coressmakers, Coressmakers, Coressmakers, Coressmakers, Cousework, Cousework, Cousework, Cousework, Coressman, Cor					1 1 8 5 4 1 5 22 1 3 2 2 WIFE 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Operatives, School-teacher, School-teacher, Seamstress, Storekeepers, Students, Weavers, No occupation, Total, OF— Lumberman, Machinist, Mail carrier, Milkman, Operative, Plumber, Salesman, Steam fitter,	retir	ed,			2
Cashier, Cooks, Cooks, Coressmakers, Coressmakers, Coressmakers, Coressmakers, Coressmakers, Coressmakers, Cousework, Cousework, Cousework, Cousework, Coressman, Cor					1 1 8 5 4 1 5 22 1 3 2 WIFE	Operatives, School-teacher, School-teacher, Seamstress, Storekeepers, Students, Weavers, No occupation, Total, OF— Lumberman, Machinist, Mail carrier, Milkman, Operative, Plumber, Salesman, Steam fitter, Tailor, Traveler,	retir				100
Agent,					1 1 8 5 4 1 5 22 1 3 2 2 WIFE 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Operatives, School-teacher, School-teacher, Seamstress, Storekeepers, Students, Weavers, No occupation, Total, OF— Lumberman, Machinist, Mail carrier, Milkman, Operative, Plumber, Salesman, Steam fitter, Tailor.	retir				2

8. — Ages of Insane at First Attack, Admission and Death.

		First .	First admitted to Any Hospital.	o ANY Ho	SPITAL.				DIED.	ED.		
	AT	FIRST ATTACK.	CK.	WH	WHEN ADMITTED.	ED.	AT	AT FIRST ATTACK.	CK.	WH	WHEN ADMITTED.	ED.
	Males.	Females	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	21 - 4 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	40048812911021 20048811001	5688283358 568828338358	10 10 10 10 10 10 10 10	- 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	. 28 28 34 37 41 119 26 5	21 H 724 H 875 9 1	1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 2 4 1 2 4 1 2 4 1 2 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Totals,	120 5 27	140 4 7	260 9 34	. 152	151	303	45	53	98	50	54	104
Totals,	152	151	303	152	151	. 303	50	54	104	50	54	104
Mean known ages (in years),	45	41.8	43.3	41.8	44.1	42.8	51.6	52.5	52.2	56.3	60.1	58.3

9. — Probable Causes of Mental Disease in Persons first admitted to Any Hospital.

							PREDE	PREDISPOSING CAUSES	AUSES.			
		ADMITTED.	<u>-</u>	HEREDI	HEREDITARY TENDENCY.	DENCY.	NEUR	NEUROTIC TENDENCY.	ENCY.	ALCOI	ALCOHOLIC TENDENCY.	ENCY.
EXCITING CAUSES.	Males.	Females.	.alstoT	Males.	Females.	.alstoT	Males.	Females.	.alstoT	Males.	Females.	Totals.
Artoriosclerosis, Artoriosclerosis, Artoriosclerosis and pernicious anemia, Carcinoma of rectum, Carcinoma of rectum, Congenital deficiency, Congenital deficiency, Epilepsy, Heredity and intemperance, Heredity and intemperance, Illness, Intemperance, Insular sclerosis, Intemperance, Involution, Menopause, Morphine and alcohol, Puerperium, septicamia, Senility, Sanility, Tuberculosis, Tubberculosis, Tuberculosis,	01 144822220 1447 1 101 1820 101 100	1	01-120140888811-88448311-2211484148	1111111144211111111111111	(;;;;;; <u>@</u> &&,;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	111111280001111111111111111111111111111			111111111111111111111111111111111111111	111111111111111111111111111111111111111	11111110111011101111111111111	111111100111801110111111111111
	152	151	303	26	24	- 20		1 1	1 1		9	- 62 1

10. — Probable Duration of Mental Disease before Admission.

BDEWIOUG DUDAMY				FIRST AD	MITTED TO AN	HOSPITAL.
PREVIOUS DURATIO)N.			Males.	Females.	Totals.
Congenital,	•			14	14	2 8
Under 1 month,				33	16	49.
From 1 month to 3 months	,			27	12	39
3 to 6 months, .				• 21	12	33
6 to 12 months,				9	17	26
1 to 2 years,				13	17	30
2 to 5 years,				6	29	35
5 to 10 years,				1	12	13
10 to 20 years,			•	-	8	8
Over 20 years,				1	3	4
Totals,				125	140	265
Unknown,	,			22	7	29
Not insane,				5	4	9
Totals,				152	151	303
Average known duration (in	year	s),		.695	2.567	1.204

11. — Form of Mental Disease in Patients admitted from the Community or discharged, with Condition on Discharge, or died.

	SES PHS.	Totala.	17704-18 1-146470 12/2470 1 208
OTAL	Discharges and Deaths.	Females.	1181141811181 098
-	DIS	Males.	148410008100001 001
		Totals.	4 mm
	Died.	Females.	1 100 1-1 1 100 1-1 1 1 1-1 0 0 1 1
		Males.	1144111101111411 0001
	NE.	Totals.	
	NOT INSANE.	Females.	
	NOT	Males.	1:1111111111111111111111111111111111111
	ED.	Totals.	111041041106111-41-411 1-11
	NOT IMPROVED	Females.	Tallieliellililili III
	IME	Males.	111011110111111111111111111111111111111
ED.	ğ.	.alstoT	1911191404111111 200
DISCHARGED	IMPROVED	Females.	111111111111111111111111111111111111111
Disci	IMP	Males.	10111011404011111 0141
	OF.	Totals.	1011-14-1 [2] 1 -1 101 200
	CAPABLE OF SELF-SUPPORT.	Females.	
	CAP.	Males.	[2] 1 1 2 1 1 2 1 1 1 1 2 1 2 2 2 1
	ED.	.alstoT	1 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	RECOVERED.	Females.	1=
	REC	Males.	100
	ED.	Totals.	1171 120 121 121 122 133 133 141 171
	Сомміттво	Females.	100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Con	Males.	171 8 141 171 2 1 6 1 4 2 2 8 1 1
			1
		E.	First admitted to any hospital: Acute alcobolic hallucinosis, Acute delivium, Acute delivium, Arterioselorici brain disease, Bronic delivium alcoholic, Dironic delivional insanity, Definium of uremia, Denenidian pracox, Denenidia pracox, Denenidia pracox, Denenidia pracox, Diplepsy, Tuntington's chora, mobrindes, mobrides, Manicelity Manicelity Manicelepressive insanity Manicelepressive insanity Manicelepressive insanity Manicelepressive insanity Maxed form,
		FORM OF DISEASE	First admitted to any hospi Acute alcoholic hallucinosis, Acute delirium, Acute delirium, Arterioselerotic brain disease, Carebral spinal suphilis. Chronic alcoholic, Chronic delusional insantity, Dementia precox, Delirium of uremia, Dementia precox, Epilepsy, e. Epilepsy, e. Epilepsy, e. Eronic delusional insantity, Inchristics, Inchristics, Inchristics, Inchristics, Inchristics, Expensive psychosis, Manic depressed form, e. Depressed form, e. Depressed form, Manicael form, e. Mixed form, e. Mixed form, e. Mixed form, e. Mixed form, e. Expensive form, e. Ex
		Ī	and distribution of any sample
		OF	ed to ha con in in in in in in in in in in in in in
		RM	First admitted to at the translation of a state a alooholic hallud that a alooholic hash what delirium; hardioselevoic brain Arterioselevoic brain Arterioselevoic brain Arterioselevoic brain Arterioselevoic brain Arterioselevoic brain Shronic alcoholic. Dironic alcoholic. Dironic alcoholic. Dironic alcoholic. Dollitum of urema, Jones pracox, Jones pracox, Jones pracox, Jones pracox, Jones pracos, Jones Pracos, Jones Pracos, Jones Pracos, Jones Pracos, Jones Pracos, Jones Pracos, Jones Pracos, Jones Parkolosis, Graskow a psychosis (Graskow a psychosis Graskow a psychosis Maniacal form, Mixed form, .
		FC	First admitt Acute alcoholi Acute alcoholi Acute delivulu Arterioseleroti Erebral spine Erebral spine Dementa pre Dementa pre Dementa pre Dementa pre Purplessy, Elective and Inceltive and Inceltive and Manie-depresse
			First admitted to any hater alcoholic halueinos deute alcoholic insanity, deute alcoholic insanity, deute alcoholic insanity, deute delirium, deute delirium, deute delirium, deute delirium alcoholic, deutent alcoholic, deu
			4 4

Mental deficiency,		
all deficiency,	11 252 11 11 12 11 11 11 11 12 14	220
al deficiency,	81118118111118	06
al deficiency,	8-12-14-1-15-1- 20-1-	130
al deficiency,	2012	89
al deficiency,	114111811411	44
al deficiency,	119112111111111111111111111111111111111	45
all deficiency,	111111111111111111111111111111111111111	7
al deficiency,	1	က
all deficiency,	1111111111111	4
al deficiency,	elliellell III.	13
all deficiency,		5
all deficiency,	1111111111111111111	œ
all deficiency,	445114111014 141,	48
al deficiency,	114111111111111	20
al deficiency,	4	28
al deficiency,	w	34
al deficiency,	ellililiell lili	∞
al deficiency,	Ø11111111111111111	56
al deficiency,	-::::::::::::::::::::::::::::::::::::::	53
al deficiency, a deficiency, a deficiency, a deficiency, a deficiency, a deficiency, a deficiency a deficiency and a dementia, a deficiency and	11111111111111111	101
al deficiency,		19
al deficiency,	65-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	303
al deficiency, inc brain disease, inc brain disease, onia, planta systematica, planta systematica, practical and a systematica, passing a systematica, passificat systematical as dementia, systematical as assisted. Thankity, acute: Thankity, acute: Thankity, acute: assistical nosis deferred, insane, total A,	8421 121 111 111 111 111 111 111 111 111	151
all deficiency, in the brain discounting the brain discounting the brain as yet of the	001112011111100	152
all deficiency, in the brain discounting the brain discounting the brain as yet of the		•
all deficiency, in the brain discounting the brain discounting the brain as yet of the		
all deficiency, in the brain discounting the brain discounting the brain as yet of the	rosis	
all deficiency, in the brain discounting the brain discounting the brain as yet of the	r scle	
all deficiency, in the brain discounting the brain discounting the brain as yet of the	e, sula:	
al de nois, and construct of the construction	iseas ia, tem; o in; acut	
al de nois, and construct of the construction	ient in d in d in d inia, inia, in tia s,	
o in the part of t	lefic brail den den den den den den den den den den	.1 A,
Men Orga Orga Para Para Pelli Psyc Psyc Senii Taxi Taxi Undi Undi	in assistant	<u> Fota</u>
	Men Orgs Orgs Para Para Pelle Psyc Psyc Senii Tax Tax Toxi Mc Uncl	

11. — Form of Mental Disease in Patients admitted from the Community or discharged, with Condition on Discharge, or died — Concluded.

	GES THS.	Totala.	200000 100000 10000 100000 100000 100000 10000 10000 10000 1	53	273	272
TOTAL	DISCHARGES AND DEATHS	Females.	111-101101 4-2011111-1011	99	120	120
	DIS	Males.	w	23	153	152
		Totals.	1-1-41 01 101 1-1 1-1 01	15	104	104
	Died.	Females.	.	2	54	54
		Males.	[-]-[]]-[] [[][-][-][-][-][-][-][-][-][-][-][-][-][52	20	20
	NE.	.alstoT	TITLE ATTENDED	-	80	00
	NOT INSANE	Females.	TITTELLE TITTELLE	-	4	4
	NOT	Males.		1	4	4
	ED.	Totals.	TITLETTIT TETTITITITIT	63	15	15
	NOT IMPROVED	Females.	TITIETT FAITTE		9	9
	IMI	Males.	ITTELLIT TELLITIES	-	6	6
ED.	ED.	Totala,	Ø11HH11Ø1 48H111111111	14	62	19
HARG	IMPROVED	Females.		9	26	26
DISCHARGED	IME	Males.	011-111-1 0011111111111	×	36	35
	OF SRT.	Totals.		13	47	47
	ED. CAPABLE OF	Females.	111	6	17	17
		Males.	eletatiti dedellitititi	4	30	30
		Totals.	1 []]] [∞	37	37
	RECOVERED	Females.		ಣ	13	13
	REC	Males.	111-11111 0011111111111	r.	24	24
	ED.	Totals.	22 1 1 2 3 1 1 1 1 1 1 1 1 1	81	384	379
	Соммитер	Females.	1 1 1 1 2 6 7 1 1 1 1 1 1 1 1 1	37	188	185
	Co	Males.	911488111 2211111111111111	44	196	194
				•	•	•
			• • • • • • • • • • • • • • • • • • • •	•		•
		Ei				•
		OISEASE	(ty: -			
		DIS	lucir lucir nsani			
		OF	sions sions		ď,	ons,
		FORM OF	lmiss pholipholipholipholipholipholipholipholi	B,	case	pers
		FO	ar addallor and allocation and allocation and allocation and allocation and allocation are allocation and allocation are as an are as as an as an as an as as as as as as as as as as as as as	otal .	gate	gate
			Othe coute c	Ĥ	ggre	ggre
					₹	¥
		FC	B. — Other admissions: Acute alcoholic, Acute alcoholic, Chronic alcoholic, Dementia precox, Drug habitué. Epilepsy. Involution, Korsakow's psychosi Manic-depressive ins Depressed form, Manic all form, Mixed form, Mental déficiency, Organic dementia, Paraphrenia expansi	Total B,	Aggregate cases,	Aggregate persons.

12. — Discharges of the Insane, classified by Admission and Results, and Deaths.

Total Discharges And Deaths.	Females.	137 97 234	9 13 22	5 4 9	1 2 3	- 1	1 1	2 5	1 - 1	3 120 273	2 120 272	0 90 220
	Males.			63	-	1		ı	1	153	152	130
	Totals.									104	104	83
Died.	Females.	46	rē	67	1	1	_	'	-	54	54	44
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13. — Causes of Death and Form of Mental Disease in Persons who died.

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l	CEREBRO- SPINAL SYPHILIS.	Females.	11111111111		11111
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			eral diseases:— Acute delirium, Caretinoma of livum, Carcinoma of stomaol Exhaustion, Gangene of oct, Gangene of septicemia, Pellagra, Pellagra, Pernicious anæmia, Semility, Suicide,	vous system:— Cerebrospinal syr Cerebral syphilis, Epilepsy, General paralysis	ulatory system: — Arteriosclerosis, cerebral embolus, Cerebral hemorrhage, Chronic valvular hea
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13. — Causes of Death and Form of Mental Disease in Persons who died — Concluded.

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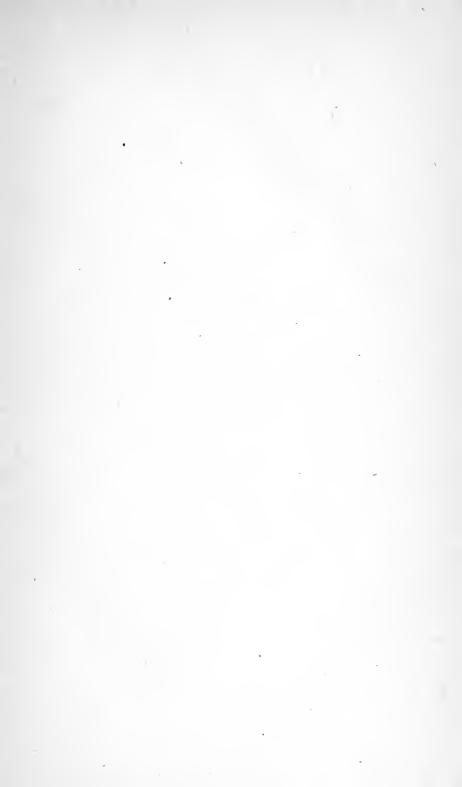
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14. - Duration of Mental Disease and its Treatment in Persons recovered or died.

			First	ADMITTE	D TO A	First admitted to Any Hospital.	PITAL.				ALL	Отнев	ALL OTHER ADMISSIONS	ONS.	
	DURA	DURATION BEFORE ADMISSION.	ORE	HOSPIT	HOSPITAL RESIDENCE.	DENCE.	WHOL	WHOLE DURATION FROM THE ATTACK.	TION TACK.	WHC PERIO	WHOLE KNOWN PERIOD OF MENTAL DISEASE.	WN	PERIOI	WHOLE KNOWN PERIOD OT HOSPITAL DISEASE.	WN
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	.slatoT	Males.	Females.	Totals.
A. — Recoveries: — Under 1 month, From 1 to 3 months, 3 to 6 months, 6 to 12 months, 1 to 2 years, 2 to 5 years, 5 to 10 years, 10 to 20 years, Cover 20 years, Totals, Totals, Totals, Totals,	11 3 11 12 14 4 19	4488333	15 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	111 111 111 119 119 119	10 10 10	44 114 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	66 11 11 14 19	10 10 10	10 10 10 10 10 10 10 10 10 10 10 10 10 1	1 1 1 1 1 2 2	1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	112121121 0 1 0		1	HHH41111 01 0
Average of known cases (in months),	∞.	1.4	-	3.4	3.5	8.8	1.3	4.9	2.8 74.8	74.8	6	50.1	12.9	4	8.3

onth, onth,	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	cases (in months), 50 46 47.9 39.1 28 33.5 95.4 76 85.5 87.1 223.2179.8 64.4 92.6 83.2
B. — Died: — Congenital, Under 1 month, From 1 to 3 months, 3 to 6 months, 6 to 12 months, 1 to 2 years, 5 to 10 years, 10 to 20 years,	Totals,	Totals,	$\overline{}$







SIXTY-FIRST ANNUAL REPORT

 \mathbf{OF}

THE TRUSTEES

OF THE

NORTHAMPTON STATE HOSPITAL,

FOR THE

YEAR ENDING NOVEMBER 30, 1916.



BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
32 DERNE STREET.
1917.

Publication of this Document approved by the Supervisor of Administration.

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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

MR. JOSEPH W. STEVENS, Secretary,		GREENFIELD.
MRS. EMILY N. NEWTON,		HOLYOKE.
MISS CAROLINE A. YALE,		NORTHAMPTON
LUKE CORCORAN, M.D.,		Springfield.
Mr. JOHN McQUAID,		PITTSFIELD.
MR. HENRY L. WILLIAMS, Chairman,		Northampton
Mr. CHARLES S. SHATTUCK, .		HATFIELD.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,			Superintendent.
EDWARD C. GREENE, M.D.,			First Assistant Physician.
ANGELA BOBER, M.D., .			Senior Assistant Physician.
ARTHUR N. BALL, M.D.,			Assistant Physician.
ELIZA KILPATRICK, M.D.,			Assistant Physician.

NONRESIDENT OFFICERS.

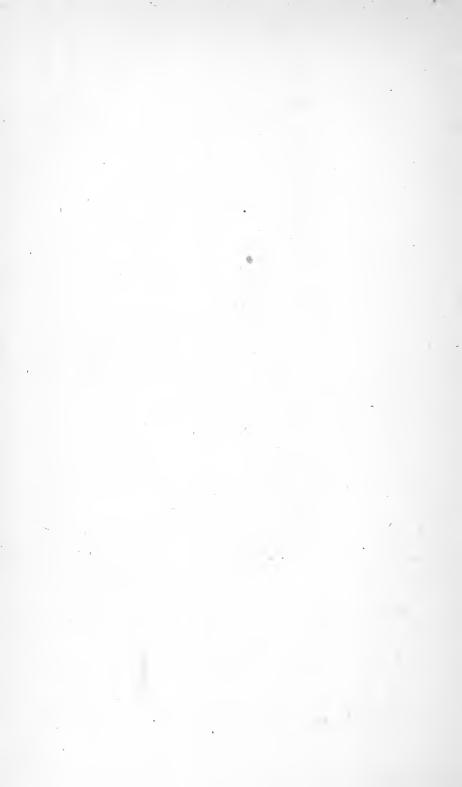
	Physician to Out-patient
	and Social Service De-
	partments.
	Treasurer and Clerk (office
	at the hospital).
	Dentist.

HEADS OF DEPARTMENTS.

Mr. L. N. SINCLAIR,			Engineer.	
MR. C. W. HAMMOND,			Farmer.	
MISS S. E. WARREN,			Matron.	
Miss M. A. M. BOND,			Director of	Occupation
•			Therapy.	

CONSULTING BOARD OF PHYSICIANS AND SURGEONS.

E. A. BATES, M.D., .			Springfield.
E. W. BROWN, M.D.,			NORTHAMPTON.
W. J. COLLINS, M.D.,			NORTHAMPTON.
C. R. GARDNER, M.D.,			NORTHAMPTON.
D. E. HARRIMAN, M.D.			Springfield.
R. H. SEELYE, M.D.,			Springfield.
H T SHORES M D			MODERAMERON



The Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital respectfully submit herewith the annual report of the affairs of the hospital for the fiscal year ending Nov. 30, 1916, together with the reports of the superintendent and the treasurer.

It has been found very difficult to live within the appropriation granted by the Legislature during the year just ended. A year ago we were required to estimate for the support of 970 patients. Our estimates were based on the expenditures of previous years, and we were assured by the State Board of Insanity, the only officials who gave intelligent consideration to our estimates, that our estimates were conservative and reasonable, but in spite of this the Legislature made a considerably smaller appropriation than we asked for; smaller relatively than they gave to institutions caring only for chronic insane and having no recoverable cases and no private patients to care for.

No consideration seemingly was given to this hospital's returning to the State treasury \$54,000 received by us for board of private patients. These patients pay for the board received, but we have to furnish their board and care from an appropriation allotted only on the pauper basis, which is not just to them nor to the hospital.

Furthermore, we had at times 34 more patients than we were allowed to estimate for; we not only had to maintain these, but had to purchase equipment for them from the maintenance appropriation.

We also had to get along with a much smaller number of nurses than we needed to do our work properly. At times there were but 18 nurses on day duty to care for 500 women patients. Our superintendent has repeatedly called attention to the great need of more nurses, yet for the past two years our specific requests for money to increase their numbers have been refused. We were not even granted an appropriation large enough to employ the increased number of nurses that our increased number of patients called for on our old ratio. We therefore have been unable to bring our quota of nurses to the average quota throughout the State, though our class of patients requires a higher ratio than any of the institutions except the hospitals that care for acute cases. In our estimates for the coming year we have again asked for a sum large enough to enable us to increase our number of nurses. This is reasonable and we hope it will be granted.

Our estimates for maintenance are larger than they were for the past year, due partly to an increased number of patients expected, but largely to higher prices of labor, board, and supplies of all kinds.

The Legislature of 1916 appropriated \$1,200 with which to begin the equipment of our heating plant with a vacuum system. This amount was expended in equipping the radiators in the rear center building and the first and second wards of the male and female departments. It has been put to use during the cold days up to the present, and has been found to meet all expectations to our great satisfaction. We ask for a further appropriation of \$1,760 to complete the installation throughout the hospital.

We were granted a special appropriation of \$2,300 with which to remodel the old laundry into dining rooms for employees. This work is progressing favorably, much of the required materials having been purchased and the work of reconstruction begun.

We feel the necessity of calling attention again to the serious overcrowding in the departments for patients and employees. As repeatedly pointed out, the institution years ago was filled to its capacity. A tour of the hospital will disclose a condition not creditable to the Commonwealth. Many rooms intended to accommodate one patient are occupied by two; extra beds are crowded into dormitories, and still more are set up

9

permanently in corridors, sitting rooms and day spaces. Nor is there room enough for officers and other employees. Early in 1905 the infirmary building for men was opened for use. Since then no further provision for patients has been made. At that time there were 770 patients in the institution. From that time till the present more than 700 patients have been transferred to other institutions, yet we have now 1,000 patients. We believe that provision should be made to care for all patients of our district, and that the time is at hand when serious consideration should be given to this matter. This undoubtedly can best be done by the Commission on Mental Diseases, in co-operation with our Board.

In planning for the future of the institution we advise that attention be given to a proposal frequently discussed by us of establishing a reception hospital as a branch of our institution somewhere nearer the center of population of our district than Northampton. This might well be not only a hospital for the reception and temporary detention of patients committed to the hospital here, but a place for the examination and treatment of nervous and mental cases that need never come to the hospital at Northampton. Our superintendent assures us that many cases undoubtedly would come willingly for treatment to such a hospital who would hesitate or refuse to come to the State hospital.

We have to report the destruction of one of our barns by fire on the evening of October 25. At about 8 o'clock fire was discovered in the so-called "Day" barn, under such headway that efforts to save the building were useless. The building was destroyed with about a hundred tons of hay, a farm wagon, manure spreader and sixteen registered calves, also an adjoining building used as a poultry house. Twelve head of stock in the basement were saved.

The Northampton fire department came to our assistance and gave most valuable help. Our own force of employees did well and are deserving of great credit. The new fire pumps installed two years ago were used and proved their worth; but for them it would have been impossible to save adjoining buildings worth at least six times the cost of installing the pumps.

Last year and the year before we asked for a special appro-

priation with which to build a fire station. The fire this year demonstrated anew our need of such a station, but we refrain from asking for an appropriation at this time because of the larger appropriations than usual that will be needed for maintenance by the various State institutions, due to the high cost of living.

There have been the following changes on our medical staff:—

Dr. Beatrice A. Reed resigned to take up her former work at the Taunton State Hospital.

Dr. Evelyn Noyes entered our service on May 6, but resigned July 4 to resume private practice.

Dr. Eliza Kilpatrick, who had served six months as interne in the Woman's Hospital in Detroit and eight months at the New England Hospital for Women and Children in Boston, was appointed as junior assistant and began service August 1.

The trustees have met as a Board regularly once a month at the hospital, and individual members of the Board have frequently visited the institution between the stated meetings.

HENRY L. WILLIAMS.
CHARLES S. SHATTUCK.
JOSEPH W. STEVENS.
EMILY N. NEWTON.
CAROLINE A. YALE.
LUKE CORCORAN, M.D.
JOHN McQUAID.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

The superintendent's report of the management of the hospital and of its affairs for the year ending Nov. 30, 1916, is herewith respectfully submitted.

It should be noted that the statistical tables appended to the report are for the year ending Sept. 30, 1916. A brief analysis of these tables is given here, showing the more important facts relative to the movement of population, the causes of mental disease in patients admitted, and the results of treatment.

On Oct. 1, 1915, there were 955 patients under care, of whom 920 were in the institution and 35 in family care. On the same date there were 101 patients away from the hospital on trial visit.

During the year 441 patients were admitted, of whom 367 were regularly committed, 30 were admitted on voluntary application, 21 were admitted under the temporary-care act, 2 were transferred from other institutions and 21 were returned from visit or escape. Besides the above there were 109 nominal admissions for discharge.

The dismissals numbered 505, including those discharged from nominal admission; of these, 63 were discharged as recovered, 41 as capable of self-support, 52 as improved, 40 as not improved and 16 as not insane, the latter, voluntary and temporary-care cases; 110 died, 62 were transferred to other institutions, 3 escaped and 118 were away on visit Sept. 30, 1916.

The total number of cases under care was 1,505; the number of persons 1,407; the largest number on any one day 1,004; the daily average number of persons was 970 for the year ending September 30, but 978 for the fiscal year ending November 30.

The number of insane persons first admitted to any hospital was 306. Of these, 40 per cent. were born in Massachusetts, 18

per cent. in other States in this country and 42 per cent. in foreign countries. Of the foreign born, 34 were born in Ireland, 26 in Canada, 18 in Russia, 13 in Austria, 12 in Italy, 9 in England, 5 in Scotland, 3 in Sweden and 1 each in France, Greece, Switzerland and Syria.

The average age of those admitted was forty-three years.

The principal causes of insanity in cases admitted were as follows in their respective numerical order: senility and changes incident to old age, heredity and transmitted tendencies, intemperance, syphilis.

Less than 30 per cent. of the cases admitted had forms of insanity generally considered to be favorable for recovery.

Among the causes of death in persons who died were cerebral hemorrhage in 25 cases, senility in 13, general paresis in 12, endocarditis in 8, broncho-pneumonia in 7, lobar pneumonia in 6, acute enteritis in 5, cerebral syphilis, exhaustion of insanity, cerebral arteriosclerosis in 3 each.

The average age of those who died was sixty-one years; 54 were over sixty years of age, 14 of these being over eighty years old. The average duration of mental disease was eighty-one months in persons who died.

One man and two women have died of pellagra during the year, and a suspected case is now under care.

Medical work has continued along the lines of previous years, but has been more exacting because of the larger number of patients and with but four assistant physicians to care for them. There is more work than four physicians can properly attend to with the reception of patients, making physical and mental examinations, the clinical and pathological work, writing histories, preparing cases for presentation at staff meetings, attendance on visitors and conducting the correspondence about patients, supervising the entertainments and the industrial activities of the patients, attending the clinics and the outpatient work. There is need of another man and woman on our medical staff as clinical assistants, and also of a pathologist and a pharmacist. We should also appoint a dentist to give his full time to the hospital, as the one day a week now devoted to dentistry is not enough.

Systematic examination of the blood and of the spinal fluid

has been made in all suspected cases of syphilis. Because of the distance from our hospital to the State laboratory it is difficult to get blood serum and spinal fluid there in satisfactory condition for examination, consequently routine examination of all patients admitted is not attempted. In 82 suspected cases of syphilis the blood serum of all was tested, and in the 33 positive cases the spinal fluid was tested, besides a few other cases that exhibited clinical symptoms of neurosyphilis. The results of the latter were as follows: positive, 27; negative, 15; and doubtful, 2.

The dentist who at present gives but one day a week to our work reports the following cases treated by him: amalgam fillings, 53; extractions, 397; synthetic fillings, 47; prophylaxis, 95; cement fillings, 23; treatments, 14; bridge work, 2; porcelain crowns, 6; roots amputated, 6; lancing of abscesses, 5; artificial dentures repaired, 2; full upper vulcanite dentures, 5; full lower vulcanite dentures, 2; number of cases of pyorrhœa, 17, of which number 7 were improved and 10 were cured.

Our social service and out-patient work as outlined in the annual reports of 1910 and the following years has continued with increasing activity. The ready response of the public and the expressions of grateful appreciation demonstrate the usefulness of this branch of our work. The past year has been a busy one. Clinics have been held every week by one or more of the members of the medical staff; at Springfield these are now held at the Springfield Hospital on the first and third Wednesdays of each month; at Greenfield in the Franklin County Hospital on the second Monday of the month; and at Pittsfield at the House of Mercy on the fourth Thursday of the month. The management of each of these institutions has been very helpful to us.

As the public learns of these, it makes more use of them. There have been 318 patients seen and advised at these clinics, of whom 300 came for the first time; 45 were referred by physicians, 2 by other hospitals, 47 by charitable associations, 7 by courts, 7 by schools, 21 came of their own initiative, 61 cases discharged from the hospital came to report, and relatives of 112 patients in the hospital came to inquire about them, to get acquainted with the hospital officers, and to send some message or gift to the patients.

Commitment papers were signed by some member of the staff, following examination of the patient in 23 cases, for commitment to the schools for the feeble-minded at Waverley and Wrentham. The social worker made 239 visits in the after-care work, and investigated for other hospitals a number of cases residing in our district. Dr. Whitney also saw 28 patients in consultation with other physicians at the request of the family of the patient or of some charitable association. In these cases she was of service in advising commitment in some and home treatment in others.

More patients than ever, 43 in number, have been in family care the past year, and the daily average number, 34, was 7 larger than the year before.

On May 11 the Hampshire District Medical Society held its annual meeting at our hospital. A tour of the hospital was made and a number of cases of unusual interest were shown.

The retiring president, Dr. O. W. Cobb of Easthampton, delivered the annual address, and the following papers were read by members of the hospital staff: "The Relations of Alcohol to Insanity," by Dr. Greene; "Syphilis and Insanity," by Dr. Ball; "Pellagra," by Dr. Bober, with demonstration of two cases; "The 'Binet Test' and the 'Yerkes Point Scale for Measuring Mental Intelligence,'" by Dr. Bober; "Legislation concerning the Admission and Discharge of Patients," by Dr. Houston.

The superintendent has given frequent lectures and talks on subjects pertaining to our work to medical societies and clubs, and to classes from Amherst College, Smith College, Mt. Holyoke College, the International College at Springfield and the State Normal School at Westfield.

The usual course of training has been given our nurses, comprising the following lectures: 10 in anatomy, 10 in physiology, 9 in obstetrics, 10 in surgery, 3 in hygiene, 9 in special diseases, 4 in nervous diseases, 10 in materia medica, 16 lectures and practical demonstrations in dietetics, and 70 recitations in practical nursing.

The class was small, but two nurses being graduated: Miss Mary F. Walsh of Pittsburgh, Pa., and Miss Mary E. Roche of Boston. The following was the program at the graduation exercises on the evening of October 19: overture, orchestra; invocation, Rev. S. C. Hallisey; music, orchestra; address,

Rev. S. C. Hallisey; music, orchestra; presentation of diplomas, Dr. J. A. Houston; reception and dancing.

The present senior class is small, there being but six members, but they are enthusiastic and are doing good work.

Our training school is being reorganized to conform to a uniform curriculum adopted by all the State hospitals. The course has been lengthened, and affiliation has been or is being arranged with a general hospital, whereby our training may be supplemented, during the second or intermediate year, by experience in the things we lack. The course is planned to qualify nurses to pass the State examination for registration.

A training course of one year for attendants is to be required of all who do not care to take the course for nurses.

Use in liberal quantities has been made of the two great remedies, work and play, as written about in former annual reports. Record of them is made here lest such important matters escape public notice. Recoveries are hastened, and contentment and well-being of patients are promoted more by these than by any other remedial agency known.

Two industrial teachers are employed, Miss Bond and Miss Gilfillan, in the industrial room, on the wards and in the classroom. More teachers could be used advantageously if our budget for salaries would permit. They instruct and direct in crocheting, knitting, weaving, basket making, string work, embroidery, sewing, toy making, making of footstools and the like. The hospital has had the following exhibitions of work: April 20 to 22 at the Eastern Art Association, Springfield; April 28 at the Massachusetts Normal Art School, Boston; October 5 to 6 at the Northampton County Fair; October 12 to November 15 at the Exhibition of Applied Arts at the Art Institute of Chicago, Ill.

Occupation for the patients has followed the usual lines of former years. Patients help in every department of the institution,—on the wards, in the kitchen and dining rooms, at the shops, at the stable, on the farm and in the gardens. During the summer many patients, both men and women, find useful and agreeable work in the gardens; and the farm, as in every similar institution, affords the most favorable opportunity for employment possible.

Quite a number of the women have garden plots in which

they raise flowers and vegetables, as they please, for use on their own tables.

Much repair work is needed on our buildings, and patients are very helpful to carpenters, painters, plumbers and electricians in doing this sort of work.

All the tinware, mattresses, brooms and many of the garments used are made by the inmates.

A permanent road, with stone foundation, was made on the hill leading to the hospital and on the service road from the main entrance to the working departments of the institution, about 1,400 linear feet in all. New cement sidewalks have been made and basement floors laid, aggregating nearly 6,000 square feet of cement work, in all of which patients took an active part, doing the excavating, mixing the sand, stone and cement, and also assisting in laying and finishing the work.

The year has been a prosperous one on the farm. We raised all the vegetables, milk, pork and considerable beef used in the institution. Our herd of cows is in excellent condition. All have been tested frequently for evidences of tuberculosis, and all but a few are registered. We have purchased no cows in late years, but have raised all the calves eligible for registry. In this way we are able to make a selection of the most valuable animals for our herd. During the past year the milk production has averaged more than 900 quarts daily, and the cows have averaged to yield a little more than 14 quarts a day.

As in former years, some waste land has been reclaimed by clearing it of shrubs and stones and by underdraining it. New fences have been built and roads kept in repair.

Moving pictures have been shown one evening a week throughout the year, and dances have been held once a week during the cooler months of the year. Picnics, parties, concerts and gatherings of many kinds, besides the out-of-door sports, have contributed to the happiness and contentment of our patients. The list of more formal gatherings for the year follows: October 29, a Hallowe'en party; November 18, an entertainment by Mr. Payne and Mrs. Hamberger; November 25, Thanksgiving party and dance; November 27, Warren Richards, entertainer; December 17, concert by Professor Norris and friends; December 24, Christmas exercises; Decem-

ber 25, concert by the hospital orchestra; January 18, entertainment by Mr. Taggart; February 14, Valentine party; February 17, travelogue by Mr. Jefferson; February 29, leap year party and dance; March 2, card party and musicale by hospital talent; March 18, concert by the Northampton Clef Club; April 12, card party.

On July 4 there were sports in which both men and women took part, and in the evening a band concert was given on the lawn. The holidays were observed as usual with special dinners on Thanksgiving Day and Christmas. During the Christmas holidays the halls and chapel were beautifully decorated with evergreens, and there was a Christmas tree at which there were singing and declamations, followed by the distribution of gifts to the patients.

Religious services have been held every Lord's day, for patients of the Catholic faith in the morning and for Protestants in the afternoon. These exercises are well attended, many patients being present at both services. The choir is largely of patients, and frequently one of the patients is organist.

We are indebted to friends who have sent gifts for the Christmas tree, reading matter, fruit and the like. It is a pleasure to express our appreciation for gifts from the following: Mrs. Crossin of Pittsfield for reading matter sent frequently and for gifts for the Christmas tree; Mr. Sullivan of Northampton for a generous contribution of confectionery and other things; Miss Orr of Adams and Miss McIntee of Holyoke for oranges and fruit; Mrs. Parker of Northampton and Mrs. Egbert of Springfield, who have for years thoughtfully remembered those who have no friends; Mr. Hotine of Springfield, who sent a generous contribution to purchase presents for those without relatives; many others who have sent magazines; also to the publishers of the "Christian Register," "Our Dumb Animals," "Healthy Home Quarterly" and the "Greenfield Recorder" for regular issues of their publications.

In this connection I should like to call to public notice the pleasure old magazines afford and the interest that home papers provide for many of our patients.

J. A. HOUSTON,

Superintendent.

\$137,340 00

VALUATION.

REAL ESTATE.

Grounds and building									\$4,861	20
Woodland, 93 acres,									19,655	
Mowing, 110 acres,	•			•	•				23,248	$50 \cdot$
Pasturage, 185 acres,									39,099	75
Tillage, 100 acres,		•							21,135	00
Hospital building,									624,619	00
Farmhouse,									4,000	00
Brick house,									3,000	00
Three dwellings, .									5,500	00
Cold storage, .									30,000	00
Barn,									5,500	
Cow stable,									13,000	00
Horse stable, .							٠.		6,000	00
Lumber shed, .									1,000	
Piggery,					. •				3,000	00
Cart shed,									400	00
Pump house,									400	00
Paint shop,									2,039	00
Laundry,									40,353	00
Bradley house, .									1,000	00
Burnett house, .									1,700	00
Farmhouse stable,					•				9,000	00
House for fire protecti	on,								4,000	
Cook house and barn,		• •							2,500	00
								_		
Total real estate,								. ;	\$865,011	00
		•		_						
			SONA							
Travel, transportation									\$684	
Food,									9,791	
Clothing,									5,744	
Furnishings,	•	•	•		•	•			5 3,250	
Heat, light and power									6,788	
Repairs and improven									10,205	
Farm, stable and grou	nds,								48,239	
Medical and general c	are,		٠.						2,639	00
								_		

STATEMENT OF FUNDS.

On hand Nov. 30, 1915, Receipts,							,999 ,241			
Refunded,									\$8,241 4,791	
Balance on hand No	v. 30	, 191	.6,						\$3,449	74
	Free	<i>B</i> .	Kel	ly Fi	ind.					
Balance Nov. 30, 1915,				٠.		4	681	00		
Income,							27	50		
					-				\$708	50
Expended for tobacco,			٠	•					24	00
Balance on hand No		,	,				-		\$ 684	50

TREASURER'S REPORT.

To the Trustees of the Northampton State Hospital.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1916:—

	Cas	H ACCOUN	г.				
Balance Dec. 1, 1915,	•					\$2,486	81
		Receipts.					
Institution Receipts.		-					
Board of imates:							
Private,		\$36,624	75				
Reimbursements, insane,		17,386	06			•	
			-	\$54,010	81		
Sales: —							
Travel, transportation and office	ce						
expenses,		\$20	48				
Food,		313	7 8				
Clothing and materials, .		210	02				
Furnishings and household sup	p-			*			
plies,		261	69				
Heat, light and power, .		21	09				
Farm and stable: —							
Cows and calves, \$434 0	00						
Pigs and hogs, . 50 0	00						
Sundries, 9 2	28						
	_	493	28				
Repairs, ordinary,		108	75				
			_	1,429	09		
Miscellaneous receipts: —							
Interest on bank balances,		\$156	21				
Sundries,		596					
, , , , , , , , , , , , , , , , , , , ,	٠,			752	57		
						56,192	47
Refund, account of 1915 expense	es,			<i>.</i>	•		70
D 1 1 4 M		7.7					
Receipts from Treasury of Co	ommo	onwealth.					
Maintenance appropriations: —				00.440	~~		
Balance of 1915,	٠,,		٠	\$9,443			
Advance money (amount on ha	and r		(0),	7,000			
Approved schedules of 1916,	•		•	204,748	62	901 101	67
				- 1		221,191	07
Total,						\$279,871	65

				•	
	D.				
T		yments.			
To treasury of Commonwealth: —					#
Institution receipts,		•	•		\$56,192 47
Refund, account of 1915 expens	es, .		•		70
Maintenance appropriations: —					
Balance November schedule, 19			•	\$11,929 86	
Eleven months' schedules 1916,				204,748 62	
November advances,				4,005 46	
					220,683 94
Balance Nov. 30, 1916: —					
In bank,				\$462 69	
In office,				2,531 85	
					2,994 54
Total,					\$279,871 65
	MAIN	TENANO	E.		
Appropriation, current year (\$220			ansfer	red from small	
items, \$118.52),					\$220,890 52
Balance from previous year, broug					139 72
		1			
Total,					\$221,030 24
Expenses (as analyzed below), .					221,029 54
	alysis	of Exp	enses.		
Salaries, wages and labor: —					
	_				
John A. Houston, M.D., superin		ent, .		\$4,000 00	
General administration,			:	24,520 52	
			:		
General administration,			: : :	24,520 52	
General administration, Medical service,			:	24,520 52 $6,279 26$	
General administration,			:	24,520 52 6,279 26 17,986 25	
General administration,				24,520 52 6,279 26 17,986 25 14,008 98	
General administration,				24,520 52 6,279 26 17,986 25 14,008 98 7,004 87	
General administration,				24,520 52 6,279 26 17,986 25 14,008 98 7,004 87 10,758 89	
General administration,				24,520 52 6,279 26 17,986 25 14,008 98 7,004 87 10,758 89	
General administration,				24,520 52 6,279 26 17,986 25 14,008 98 7,004 87 10,758 89 1,896 54	\$86,455 31
General administration,				24,520 52 6,279 26 17,986 25 14,008 98 7,004 87 10,758 89 1,896 54	\$86,455 31
General administration,				24,520 52 6,279 26 17,986 25 14,008 98 7,004 87 10,758 89 1,896 54 \$600 00 562 00	\$86,455 31
General administration,				24,520 52 6,279 26 17,986 25 14,008 98 7,004 87 10,758 89 1,896 54	\$86,455 31
General administration,				24,520 52 6,279 26 17,986 25 14,008 98 7,004 87 10,758 89 1,896 54 \$600 00 562 00	\$86,455 31
General administration,				24,520 52 6,279 26 17,986 25 14,008 98 7,004 87 10,758 89 1,896 54 \$600 00 562 00	\$86,455 31
General administration,	expense			24,520 52 6,279 26 17,986 25 14,008 98 7,004 87 10,758 89 1,896 54 \$600 00 562 00 53 07	\$86,455 31 1,215 07
General administration,	expense			24,520 52 6,279 26 17,986 25 14,008 98 7,004 87 10,758 89 1,896 54 \$600 00 562 00 53 07	\$86,455 31 1,215 07
General administration,	expense.			24,520 52 6,279 26 17,986 25 14,008 98 7,004 87 10,758 89 1,896 54 \$600 00 562 00 53 07 \$541 52 376 94	\$86,455 31 1,215 07
General administration,	expense.			24,520 52 6,279 26 17,986 25 14,008 98 7,004 87 10,758 89 1,896 54 \$600 00 562 00 53 07 \$541 52 376 94 549 56	\$86,455 31 1,215 07
General administration,	expense.			24,520 52 6,279 26 17,986 25 14,008 98 7,004 87 10,758 89 1,896 54 \$600 00 562 00 53 07 \$541 52 376 94 549 56 277 01	\$86,455 31 1,215 07
General administration,	expense.			24,520 52 6,279 26 17,986 25 14,008 98 7,004 87 10,758 89 1,896 54 \$600 00 562 00 53 07 \$541 52 376 94 549 56 277 01 719 92	\$86,455 31 1,215 07
General administration,	expense.			24,520 52 6,279 26 17,986 25 14,008 98 7,004 87 10,758 89 1,896 54 \$600 00 562 00 53 07 \$541 52 376 94 549 56 277 01	\$86,455 31 1,215 07
General administration,	expense.			24,520 52 6,279 26 17,986 25 14,008 98 7,004 87 10,758 89 1,896 54 \$600 00 562 00 53 07 \$541 52 376 94 549 56 277 01 719 92	\$86,455 31 1,215 07
General administration,	expense.			24,520 52 6,279 26 17,986 25 14,008 98 7,004 87 10,758 89 1,896 54 \$600 00 562 00 53 07 \$541 52 376 94 549 56 277 01 719 92	\$86,455 31 1,215 07

$A mount\ brought\ forward$, .							\$90,225	33
Food:									
						\$4,235	Q4		
Butterine,	•			•	•	2,957			
Page 2	•			•	•	198			
Beans,	•		•	•	•	451			
			•	•	.•	986			
Cereals, rice, meal, etc., .			•	•	•				
Cheese,			•	•	٠	552			
Eggs,	•		•	٠	•	8,194			
Flour,			•	٠	•	8.515			
Fish (fresh, cured and car	ined),			•		2,719			
Fruit (fresh),			•		•	1,790			
Fruit (dried and preserved						1,395			
Lard and substitutes, .						339	25		
Macaroni and spaghetti,						73	73		
Meats,						16,303	47		
Molasses and syrups						293	09		
Peanut butter, pie filling,						18	64		
Potatoes,						7			
Seasonings and condiment	ts.		•	•	•	806			
Sugar,			•	•	•	5,908			
Ter seffer seems sto			•	•	•	2,662			
Tea, coffee, cocoa, etc., . Vegetables (fresh),			•	•	•	408			
vegetables (iresii),			•	•	•				
Vegetables (canned and d	riea),		•	•	•	226			
Yeast, baking powder, etc Freight,	c., .			•	•	420			
Freight,					•	779	78		
								60,247	69
Clothing and materials: -									
Boots, shoes and rubbers,						\$1,271	18		
Clothing (outer).					-	2,070			
Clothing (under),				•	•	281			
Dry goods for clothing	•		:	٠	•	1,194			
Hets and cons				•	•	48			
Tasther and shee findings			•	٠	•	47			
Leather and shoe indings	·, ·		•	•	•				
Machinery for manufactu	ring,			•	•	82			
bocks and smanwares, .			•	٠	•	731			
Freight,	•		•	٠	•	34	24		
								5,760	82
Furnishings and household	supplie	es:-	_						
Beds, bedding, etc., .						\$2,970	93		
Carnets, rugs, etc						561			
Carpets, rugs, etc., Crockery, glassware, cutle	erv. et	c				751			
Dry goods and smallware	s.	,	•	•	·	167			
Fire hose and extinguishe	re			:	•	146			
Fire nose and extinguishe			•		•	135			
Fire hose and extinguishe Furniture, upholstery, etc Kitchen and household w Laundry supplies and ma Lavatory supplies and dis Machinery for manufactu	ores		•	٠	•	1,259			
Tarradan nousehold w	arcs, .		•	•	•				
Laundry supplies and ma	terrais	,	•	•	•	1,904			
Lavatory supplies and dis	intect	ants	,	•	•	347			
· ·				•	•	7			
Table linen, paper napkin		els,	etc.,		•	217			
Freight,			•	٠		57	83		
								8,527	80
Amount carried forward	, .							\$164,761	64

Amount brought forward,							\$164,761	64
Medical and general care: —								
Books, periodicals, etc., .					\$449	06		
					954			
Funeral expenses,	•			•	47			
Gratuities	•	•		•	25			
Gratuities, Ice and refrigeration, .			÷	•	320			
Laboratory supplies and appar	etus	•	·		39			
Manual training supplies,	weas,	•	·		651			
Medicines (supplies and appara					1,468			
Medical attendance (extra),					39			
Patients boarded out, .	•	•			3,627			
		:	:		77			
School books and supplies		•	÷.		313			
School books and supplies, Tobacco, pipes, matches,	•	•			185			
Weter	•	•			3,135			
Water,	•	•			94			
Freight,	•	•	•	•	34		11,428	01
							11,420	91
Heat, light and power:— Coal, Freight on coal and other expe					\$11,818	37		
Traight on goal and other eyne	neee			•	5,954			
Floatricity	,11505,	•	•	•	176			
Electricity,	•	•	•	٠.	42			
Oil,	•	•	•	•	249			
Operating supplies for boilers a	· nd o	nain	•	•	526			
Freight,	ина е	пди	es,	•	53			
			٠.			50		
Charcoai,	•	•	•	•	'		18,828	70
							10,020	10
Farm and stable:—								
Bedding materials, . Blacksmithing and supplies,				•	\$658			
Blacksmithing and supplies,	•				589			
Carriages, wagons and repairs,					135			
Fertilizers,	•		•	•	242			
Grain, etc.,			٠		12,314			
Harnesses and repairs, .			•		174			
Horses,				•	350			
Cows,					32			
Other live stock, Labor (not on pay roll), .					710	30		
Labor (not on pay roll), .					10			
Road work and materials,					14			
Stable and barn supplies,					30	75		
Tools, implements, machines, e					679			
Trees, vines, seeds, etc., .					835	38		
Veterinary services, supplies, e	tc.,				163	50		
Freight,					377	62		
							17,319	88
Grounds: —						F C		
Fertilizers,	•	•	•	•	\$73			
Road work and materials,	•	•	•	•		55		
Tools, implements, machines, e		•	•		-	07		
Trees, vines, shrubs, seeds, etc	٠,	•	•	•	209			
Freight,	•		•	•	5	40		0.0
1							350	36
Amount carried forward,							\$212,689	49
mount carried jor ward,	•	•	•	•		•	422,000	

$Amount\ brought\ forward,$								\$212,689	49
Repairs, ordinary: -									
Brick,						\$1	25		
Cement, lime, crushed stone,	etc.,					447	58		
Electrical work and supplies,						517	12		
Hardware, iron, steel, etc.,						1,098	08		
Labor (not on pay roll),						150	30		
Lumber, etc. (including finish	ed pr	oduo	ets),			1,539	94		
Paint, oil, glass, etc.,						2,106	22		
Plumbing and supplies, .						1,477	24		
Steam fittings and supplies,						536	11		
Tools, machines, etc., .						12	74		
Boilers, repairs,						218	21		
Dynamos, repairs,						72	74		
Engines, repairs,						28	80		
Freight,						115	14		
Architects' plans,						20	00		
								8,340	75
Total expenses for mainten	ance							\$221,030	24
Less refund, account of 1915 ex			•	•	·	•	·	*,	70
ness fortuna, account of 1010 on	рот	,	•	•	•	•	-		
					•			\$221,029	54
Resc	URCE	S AN	D LIA	BILIT	ES.				
		Resor	urces.						
Cash on hand,						\$2,994	54		
November cash vouchers (p		rom	adva	nce					
money), account of maintena						4,005	46		
Due from treasury of Commonw						0.001	60		
appropriation, account Nover	nber,	1910	, scnea	uie,		9,281	02	\$16,281	69
		r : . 1.	lities.				_	Ф10,201	02
	-	ышог	unes.					01000	0.0
Schedule of November bills,	•	٠	•	٠	•	•	•	\$16,281	62

PER CAPITA.

During the year the average number of inmates has been 977.64 Total cost for maintenance, \$221,029.54. Equal to a weekly per capita cost of \$4.3477. Receipt from sales, \$1,429.09. Equal to a weekly per capita of \$0.0281. All other institution receipts, \$54,763.38.

Equal to a weekly per capita of \$1.077.

Respectfully submitted,

LEWIS F. BABBITT,

Treasurer.

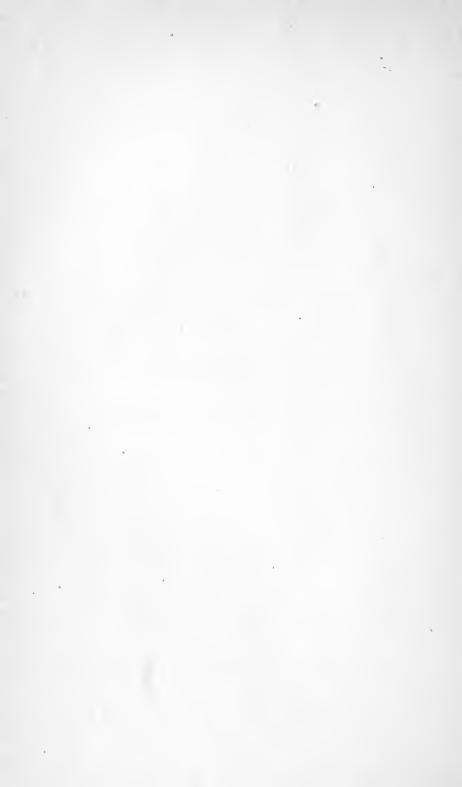
Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

ALONZO B. COOK,

Auditor.

STATISTICAL TABLES.

[FORM PRESCRIBED BY COMMISSION ON MENTAL DISEASES.]



1. — General Statistics for the Year..

es.	Totals.	955 920 920 920 933 935 16 16 17 17 17 18 18 18 18 18 18 18 18 18 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10
AGGREGATES.	Females.	444 6832 6832 1261 127 127 127 127 127 127 127 127 127 12
Agg	Males.	4 4 8 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ES.	Totals.	111111111111111111111111111111111111111
Inebriates.	Females.	111111111111111111111111111111111111111
Ine	Males.	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
RY	Totals.	111111211202111111222222440401111
TEMPORARY CARE.	Females,	
TE	Males.	11 1 1 1 1 1 1 1 1 1
NE.	Totals.	0011010101011111111110000111110H11111
Nor Insane. Voluntary.	Females.	લલા!લાલાલા!ા!!!!!चचજાં!!!લ∺!!!!
Noz	Males.	।।।।।वावावा।।।।।ववववा।।वा।।।
	Totals.	953 918 939 939 939 147 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Insane.	Females.	472 4832 4832 4832 1311 1111 1111 1111 1111 1111 1111 1
I	Males.	488 473 471 101 186 1186 1186 1186 1186 1186 1186
		• • • • • • • • • • • • • • • • • • • •
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		in the mitze
		bept. 30 mitted mitted mitted mitted mitmut
		s under care Sept. 30, 1915, spital, are gularly care, regularly committed, voluntary. elemporary care, elemporary care, elemporary care, voluntary. voluntary. voluntary. temporary care, temporary care, temporary care, temporary care, temporary care, from visite, from escape, from visite, from sesape, in all admissions for discharged, from escape, in the seape, elemporary care as improved, as capable of self-support, as improved, as not improve
		cars under care Se, family care, regularly commy voluntary,
		s under spital, cartegulari, voduntara tempora popital, cartegulari, voduntara tempora Viz.: c
		Patients under care Sept. 30, 1915, In hospital, In family care, Viz.: regularly committed, Voluntary. Admitted within the year, Viz.: by regular commitment, voluntary. temporary care, Viz.: by regular commitment, temporary care, Viz.: by regular commitment, from coseape, Viz.: from visit, from escape, Viz.: from visit, from escape, Viz.: from visit, from escape, Viz.: from visit, from secape, viz.: from visit, from secape, viz.: from visit, from secape, viz.: from visit, from escape, viz.: from visit, from secape, from as mapple of self-support, as improved, as mot insune, died, escaped, e
		Patri Lini Victorian Adam Victorian Non Victorian Victor

1. — General Statistics for the Year — Concluded.

		INSANE	si.	No	Nor Insane. Voluntary.	Y.	TEMO	TEMPORARY CARE.		INEB	Inebriates.		AGGREGATES.	ATES.
	Males.	Females.	.sletoT	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Males.	Females.	Totals.
Patients under care Sept. 30, 1916, In Inspital, In family care, Viz.: regularly committed, Viz.: regularly committed, temporaty care, supported as State patients, supported as State patients, supported as reimbursing patients, as private patients, Number of different persons awithin the year, Number of different persons admitted, Number of different persons admitted, Number of different persons admitted, Number of different persons admitted, Number of different persons admitted, Number of different persons applied, Daily average number in family eare, Viz.: State patients, reimbursing patients, reimbursing patients, reimbursing patients, reimbursing patients, Phytake patients, Phytake patients, Daily average number of voluntary admissions, Daily average number of temporary-care admissions, Daily average number of temporary-care admissions,	477 477 482 477 482 477 477 482 477 483 477 483 647 477 477 483 647 477 477 477 477 477 477 477 477 477	2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	1,000 963 983 989 989 989 111 1133 14,381 14,381 14,381 188 381 881 881 881 881 881 881 881	,	: ::: :::: 	9. 99. 1111111118888881101121	11111111111111111111111111111111111111	11.1.1.1.1.1.444444.1.2.2.1.7.7.1.0.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1			1111111111111111111111111111	482 474 474 474 8 8 8 8 116 116 116 116 116 116 116 116	25	1000 1000

2. — Family Care Department.

			Males.	Females.	Totals.			
Remaining Sept. 30, 1915,		.	3	32	35			
Admitted within the year,			3	32	35			
Whole number of cases within the year, .			6	64	70			
Dismissed within the year,			1	32	33			
Viz.: returned to institution,			1	32	33			
discharged,			-	-	_			
died,			_	-	-			
Remaining Sept. 30, 1916,			5	32	37			
Supported by the State,			-	26	26			
Private,			2	5	7			
Self-supporting,			3	1	4			
Number of different persons within the year,			5	38	43			
Number of different persons admitted, .		. !	3	30	33			
Number of different persons dismissed, .			1	28	29			
Daily average number,			3.21	31.25	34.46			
State,			-	24,62	24.62			
Private,			1.86	4.12	5.98			
Self-supporting,			1.35	2.51	3.86			

3. — Insane received on First and Subsequent Commitments.

						CA	SES COMMITTE	D.
NUMBER OF C	COM	MIT:	MEN	TS.		Males.	Females.	Totals.
First to this hospital, .						163	162	325
Second to this hospital, .						24	19	43
Third to this hospital, .					.	4	9	13
Fourth to this hospital,						3	1	4
Fifth to this hospital, .					.	2	-	2
Sixth to this hospital, .						2		2
Eighth to this hospital,						-	1	1
Eleventh to this hospital,						1	-	1
Total cases,						199	192	391
Total persons,						196	185	381
Never before in any hospit	al fo	r the	insa	ne,	.	156	150	306

4. — Nativity and Parentage of Insane Persons first admitted to Any Hospital.

					MALES.		F	EMALE	s.	Totals.			
PLACES OF	NA	TIVI	TY.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.	
Massachusetts,				59	22	24	63	33	34	122	55	58	
Other New Englan	ad S	tates,		16	19	13	15	14	10	31	33	23	
Other States, .				11 '	9	11	10	6	10	21	15	21	
Total native,		٠,		86	50	48	88	53	54	174	103	102	
Other countries:													
Austria,				8	9	9	5	8	8	13	17	17	
Canada,				17	22	24	9	15	15	26	37	39	
Denmark, .				_	-	1	_	-	-	-	-	1	
England,				3	4	4	6	6	6	9	10	10	
France,				-	-	-	1	1	1	1	1	1	
Germany, .				1	1	1	6	10	10	7	11	11	
Greece,				1	1	1	-	-	_	1	1	1	
Ireland,				11	38	38	23	69	39	34	77	77	
Italy,				6	6	6	6	6	6	12	12	12	
Russia,				13	14	14	5	5	5	18	19	19	
Scotland,				5	5	4	-	3	2	5	8	6	
Sweden,				2	2	2	1	2	2	3	4	4	
Switzerland, .				1	1	1	-	-	-	1	1	1	
Syria,				1	1	1	-	-	-	1	1	1	
Total foreign,				69	104	106	62	95	94	131	199	200	
Unknown, .				1	2	2	_	2	2	1	4	4	
Totals, .				156	156	156	150	150	150	306	306	306	

5. — Residence of Insane Persons admitted from the Community.

			T ADMI NY Hos	TTED PITAL.		L OTH MISSIO		r	COTALS	
		Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Hampshire County,		22	25	47	4	7	11	26	32	58
Hampden County, .		82	68	150	25	14	39	107	82	189
Franklin County, .		16	18	34	3	2	5	19	20	39
Berkshire County, .		36	38	74	8	12	20	44	50	94
Worcester County, .		-	1	1	-	-	-	-	1	1
Totals,		156	150	306	40	35	75	196	185	381
Cities and towns, .		93	92	185	23	25	48	116	117	233
Country districts, .		63	58	121	17	10	27	80	68	148
Totals,		156	150	306	40	35	75	196	185	381

6. — Civil Condition of Insane Persons first admitted to Any Hospital.

					Males.	Females.	Totals.
Unmarried,					67	53	120
Married, .					74	63	137
Widowed,					13	33	46
Divorced,					1	1	2
Unknown,					1	- 0	1
Totals,					156	150	306

7. — Occupation of Insane Persons first admitted to Any Hospital.

					MAI	LES.					
Armature winde	r				1	Merchant					1
Barber, .	٠,			•	1	Miller,		•	•	•	1
Boiler maker.	•	•	:	:	1	Mill overseer, .				:	1
Bookbinder,	•		•	·	1	Millwright, .				•	1
Brickmaker.	•	•	•	Ċ	1	Molder		•		•	2
Butcher, .	•	•	•		ī	Office boy, .		•	•	•	ī
Carpenter,	•	•	•		5	Operative, .		•		•	15
Chauffeur,	•	:	•	:	1	Painter			:	•	2
Clerk, .	•		•	·	5	Plumber		•	Ċ	•	1
Cooper, .	•	Ċ	•	•	1	Polisher,		١.	•	•	2
Draftsman,	•	:	•	•	1	Porter		•	•	•	1
Dyer, .	•	•	•	•	1	Pressman, .				·	1
Electrician,	•	•	•	·	$\overline{2}$	Printer,			·	•	3
Engineer, .	•	•	•		3	Quarryman, .				•	1
Farmer, .	•	•	•		8	Railroad employe	e.	•		•	1
Farm laborer.	•	•	•	Ċ	1	Rubber worker.	, ,				1
Fireman, .	•	Ċ	:	·	1	Shoemaker		•		Ċ	1
· ·		·	•	Ċ	1	Student		•		·	1
Horse trainer,	•	•	•	•	1	Tailor		•		·	4
Inspector,			Ċ		1	Teamster		Ċ			3
Ivory turner,		Ċ	·	•	1	Toolmaker					1
Janitor, .	:	·	Ċ	•	1	Waiter		:		Ċ	9
Laborer, .			·	·	$\overline{42}$	Weaver,		Ì			6
Laundryman,				·	1	Watchman, .		i			2
Machinist,				·	5	No occupation, .					7
Mason		·	·	·	2	2.0 0004p4.000,		·	·		
Mechanic,				·	3	Total, .					156
							•				
					FEM	ALES.					

Cook, .			2	Student, .			5
Domestic,			9	Tailoress, .			1
Housewife,			71	Teacher, .			3
Music teacher,			1	Waitress, .			3
Nurse, .			4	Washerwoman,			1
Operative,			9	Weaver, .			1
Saleswoman,			1	No occupation,			37
Seamstress,			1			-	
Stenographer,	,.		1	Total,			150

8. — Ages of Insane at First Attack, Admission and Death.

		First A	First admitted to Any Hospital.	ANY HO	SPITAL.				DIED.	go.		
	AT	AT FIRST ATTACK.	ж.	МН	WHEN ADMITTED.	ED.	AT	AT FIRST ATTACK.	CK.	AT T	AT TIME OF DEATH.	тн.
•	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital, 15 years and less, 20 to 25 years, 25 to 30 years, 25 to 30 years, 35 to 40 years, 40 to 50 years, 50 to 60 years, 70 to 80 years, 70 to 80 years,	14 12 17 17 17 19 10 10 10 10	11 7 7 9 9 11 11 11 15 14 14 14	25 10 10 10 10 10 10 10 10 10 10 10 10 10	2 4 4 10 110 120 220 228 224 111 111 111	- 1 0 0 0 0 1 1 1 1 1 1 1 2 0 0 0 0 0 0 0	10 110 119 239 239 60 60 60 60 60 14	6 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	11 12 22 22 11 11 55	20 8 8 14 17 7	1 1 1 2 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1112411786	212 112 123 144
Totals,	150 1 5	148	298 1 7	155	150	305	61	46	107	61	46	107
Totals,	156	150	306	156	150	306	61 45.6	46	107	61 56.4	46	107

9. — Probable Causes of Mental Disease in Persons first admitted to Any Hospital.

	ALCOHOLIC TENDENCY.	Totals.	٠ ١١٥١١١١١١١١٠٩٩	62
	оногіс ті	Females.	1111111110011111111111111111	11
	ALC	Males.	H 1 8 1 1 1 H 1 1 H 2 8 H 1 1 1 1 1 1 1 1 1 1 1 H 2 H 1 1 1 1 H	51
AUSES.	ENCY.	.slatoT	***************************************	-
Predisposing Causes	NEUROFIC TENDENCY.	Females.	1111111111111111	1
PREDI	NEUR	Males.	1111117311111111111111111111111111	
	DENCY.	.slstoT	(1611114484111111111414111111111	58
	HEREDITARY TENDENCY.	Females.	11411111700011111111111111111111111	35
	HERED	Males.	F1001311145141111111111111111111111111111	23
		Totals.	%-4°0	306
	ADMITTED.	Females.	21.88.0011.0014.0000017-011.0010-01.001	150
	1	Males.	6 12 1 12 1 12 13 14 14 14 14 14 14 14	156
	!	EXCITING CAUSES.	Arteriosclerosis, Brain tumor, Constitutional inferiority, Constitutional inferiority and starvation, Constitutional inferiority and starvation, Diabetes, Endocarditis, chronic, Epilepsy, Heredity and arteriosclerosis, Heredity and arteriosclerosis, Heredity and intemperance, Intemperance and senility, Intemperance and senility, Intemperance, Intemperance, Ortis media, acute, Ottis media, acute, Ottis media, acute, Post-partum hemorrhage, Post-partum and interioris, Post-partum and interioris, Senility and intemperance, Senility and intemperance, Syphilis and intemperance, Syphilis and intemperance, Syphilis and intemperance, Interioristics, Syphilis and intemperance, Interentosis, Cremia, Unknown, Not insane,	Total,

10. — Probable Duration of Mental Disease before Admission.

PREMIONS PARAMION	FIRST ADM	IITTED TO ANY	Hospital.
PREVIOUS DURATION.	Males.	Females.	Totals.
Congenital,	14	11	25
Under 1 month,	28	36	64
From 1 month to 3 months,	25	19	44
3 to 6 months,	18	9	27
6 to 12 months,	. 22	13	35
1 to 2 years,	20	17	37
2 to 5 years,	. 18	23	41
5 to 10 years,	. 2	10	12
10 to 20 years,	. 3	8	11
Over 20 years,		-	_
Totals,	. 150	146	296
Unknown,	. 5	3	8
Not insane,	. 1	1	2
Totals,	. 156	150	306
Average known duration (in years),	1.013	1.643	1.386

11. — Form of Mental Disease in Patients admitted from the Community or discharged, with Condition on Discharge, or died.

	மைவ்	Totals.	118 110 110 110 110 110 110 110 110
TOTAL	ARGE	Females.	20 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
To	DISCHARGES AND DEATHS.		41 1 2 2 3 3 1 1 1 2 2 3 3 1 1 1 2 3 3 3 1 1 1 2 3 3 3 1 1 1 2 3 3 3 1 1 1 2 3 3 3 3
	H &	Males.	
	ė.	Totals.	1 14100071 1101100 001 4
(DIED.	Females.	1111110000-11111001110
		Males.	1114-0010111-00-00010
	ANE.	Totals.	
	NOT INSANE	Females.	
	NON	Males.	
	ED.	rotals.	111111111111111111111111111111111111111
	NOT IMPROVED	Females.	।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।
	Œ	Males.	1111141111441111 0111
ED.	ED.	Totals.	11101010111111110 0111
DISCHARGED	IMPROVED	Females.	=
DISCE	IMI	Males.	11101010011111110 1111
H	OF.	Totals.	211419111111111111111111111111111111111
CAPABLE OF SELF-SUPPORT		Females.	
	SELF	Males.	0110010111111110011100
	ED.	Totals.	11 11 11 11 11 11 11 11 11 11 11 11 11
	RECOVERED	Females.	8
	REC	Males.	St. 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	á	Totals.	20 20 20 20 20 20 20 20 20 20 20 20 20 2
	Арміттер	Females.	70 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	AD	Males.	860 1 20 4 1 1 20 4 1 1 1 20 4 1 1 1 20 4 1 1 1 20 4 1 20 4 1 1 20 4 1 1 20 4
		ங்	Any Hospital
		SEASE	Any H
		FORM OF D	A. — First admitted to Alcoholic psychoses: — Acute halludinosis; Acute halludinosis; Delirium tremens; Adolohic pseudo-paresis Chronic delusional insensity of the pseudo-paresis Chronic delusional interiority, Delirium, acute, Delirium, acute, Delirium, acute, Epileptic psychosis; Epileptic psychosis; Infection-exhaustion psychiatist and psychosis; Involution psychosis; Manic-depressive insanity drateriosclerotic insanity Arteriosclerotic insanity arteriosclerotic insanity arteriosclerotic insanity arteriosclerotic insanity of Serbalas arteriosclerotic insanity of Serbalas are syphilis.
		W	Al-coholic psychoses: Acute halluchosis, Delirum tremens, Delirum tremens, Alcoholic pseudo-ps Chronic delusional II Korsakoff's syndror Constitutional inferio Delirium, acute, Dementia pracox, Epileptic psychosis, Huntagton's chorea, Hysterical psychosis, Inflection-exhausion Inflection Inflection-exhausion Inflection Insular selerosis, Insular selerosis, Insular selerosis, Insular selerosis, Arterioselerosive insua Organic brain disease Arterioselerotic insular umor, Cerebral styphilis, Cerebral styphilis, Post-apoplectic insular selerosis Fann tumor, Cerebral styphilis, Post-apoplectic insular selerosis Fann tumor, Cerebral styphilis, Post-apoplectic insular selerosis insular selerosis, Fann tumor, Fan
		O.R.	A — First admitocoholic psychoses Active hallucinosi Delirium tremen Active psychoses Chronic delusion Institutional infe- Birtum, acute, Bir
		Ē	A.—First cotololic psych Acute hallod belvium treated Alcoholic psee Alcoholic psee Alcoholic psee Chronic delurium, acute presentational belivium, acute pracepite psych elivium, acute psycholic psycho
			inition of the collic collic collic collic collic control control control collic colli
			A. — First admit Alcoholic psychoses Acute hallucinosi Delirium tremena Delirium tremena Chronic delusion Chronic delusion Chronic delusion Chronic delusion Chronic delusion Chronic delusion Delirium, acute, Dementia pracox, Delirium, acute, Dementia pracox, Epileptic psychosis Hunhungton's chore Huysterical psychosis Hunbeelity, Infection-exhaustion in Manic-depressive in Organic depressive in Arterioselerotic in Arterioselerotic in Arterioselerotic in Arterioselerotic in Cerebral syphilis, Cerebral s

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10288514-1	232
101-00101	103
150 150 170 170 170 170 170 170 170 170 170 17	129
101 22 1 23 1 1 1	87
18416111	38
18415	49
11111141	4
11111101	23
111111001	2
11100111	25
111001111	18
111-111-	7
111000111	40
1111111	18
1 1 1000 1 1 1	22
111001111	33
1111111	6
111601111	24
1111111	43
1111111	18
1111111	25
23.23.23.23	306
1 1 1 1 1 2 2 2 2 3 2 3 3 3 3 3 3 3 3 3	150
15122	156
	•
	•
	١.
Paraphrenia, . Paresis, . Pellagra, Psychoneuroses, Senile dementia, Tabes dorsalis, Not insane, Diagnosis deferred	Total A, .

11. — Form of Mental Disease in Patients admitted from the Community or discharged, with Condition on Discharge, or died — Concluded.

RECOVERED
Males. Females. Totals. Males.
22 1 5 1 1 1 1 1 1 1 1
43 42 85 12 6
199 192 391 37 24
196 185 381 36 24

12. — Discharges of the Insane, classified by Admission and Results, and Deaths.

	Ru	RECOVERED.	RED.	SELF	CAPABLE OF SELY-SUPPORT.	P. RT.	IMP	IMPROVED.		I	Nor IMPROVED.		Nor	Not Insane.	ங்		Died.		Disc	TOTAL DISCHARGES AND DEATHS.	ES HS.
NUMBER OFTHE ADMISSION.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital,	28	19	47	27	6	36	22	18	40	1		22	-2	- 21	4	20	41	91	136	107	243
Second to this hospital,	œ -	m	9	H	н	7	က	4	2	က	က	9	-	1	H	2	4	H	18	15	33
Third to this hospital,	-	-	7	H	1	Н	1	1	ı	1		н	t	1	1	က	н	4	2	က	œ
Fourth to this hospital, .	· .	-	-	-	1	П	ı	1	ı	1	1	ı	1	ı	4	Н	ı	-	67	H	က
Fifth to this hospital,	-	1	П	1	1	1	-	1	-	1	1	ı	ı	ı	1	ı	1	ı	7	1	7
Sixth to this hospital,	۳ 	1	63	1	ı	1	1	1	-	ı	1	ı	ı	ı	ı	1	i	1	e.	ı	က
Tenth to this hospital,	-	1	П	1	1	1	1	1	1	1	ı	ı	ł	1	ı	ı	ī	ī	H	ı	-
Total cases,	37	24	61	90	9	40	26	22	848	ន	22	32	60	2	10	19	46	107	167	126	293
Total persons,	36	24	09	30	10	40	56	22	48	10	22	32	က	7	rO	61	46	107	166	126	292
First admitted to any hospital,	. 25	18	43	24	6	83	22	81	40	7	18	22	2	62	4	49	38	87	129	103	232
								-		-	-		-	-		-	-	:	_		

13. — Causes of Death and Form of Mental Disease in Persons who died.

No. Oo. IS.	rotals.	111-11111	1 1 1 1	11111
Infection- bxhaustion Psychosis.	Females.	111111111	1111	11111
INF BXH. Psy	Males.	111411111	1 1 1 1	11111
Υ.	Totals.		1111	11-111
IMBECILITY.	Females.	1111111111	1111	11-111
IMB	Males.	111111111	1 1 1 1	1 1 1 1 1 1
5 .	Totals.	111111111	1114	11111
EPILEPTIC PSYCHOSIS.	Females.	111111111	111-	11111
EP	Males.	111111111	1111	11111
	Totals.	lee[]:[]el	1111	114481
DEMENTIA PRÆCOX.	Females.	1001111101	1 1 1 1	1111
DE	Males.	Í LELLETTE.	1111	1111011
p ½ ½	Totals.	1 [1 1 1 1 1 1	1111	11-111
CONSTITU- TIONAL IN- FERIORITY.	Females.	1111111111	1 1 1 1	11111
Co	Males.	1.11111111	1111	11-111
IC Bs.	Totals.	111-111-11	1111	11-1
Агсоногіс Рятсноява.	Females.	111111111	1111	11111
ALA	Males.	111-111-11	1111	11-1
M.	Totals.	1111101111	1111	1111011
Аситв Велигим	Females.	11111-1111	1111	1111001
DA	Males.	111111111	1111	11111
		٠٠٠٠٠٠ «	· · · · ·	
	USES.	l Diseases.	Systen:	Syste
	CAUS	ral L m,	Nervous System.	latorı is, .
	Ö	General Acute alcoholic delirium, Carcinoma of liver, Diabetes mellitus, Diabetes mellitus, Exhauston from insanit, General septicamia, Pellagra, Penticious anamia, Seniitus,	Brain tumor, Cerebral syphilis, General paralysis, Status epilepticus,	Aneurism of aorta, Cerebral arterioselerosis, Cerebral hemorrhage, Endocarditis, acute, Endocarditis, acute, Myocarditis, acute,
		See Ped Extension	S. S. S. S. S. S. S. S. S. S. S. S. S. S	KEE ECCE

11111	1	1	62
FÍFFI	ı) 1	1
11111	ī	1 +-	2
1 1 1 1 1	H	1 1	2
11111	ı	, 11	1
11111	-	1 1	1
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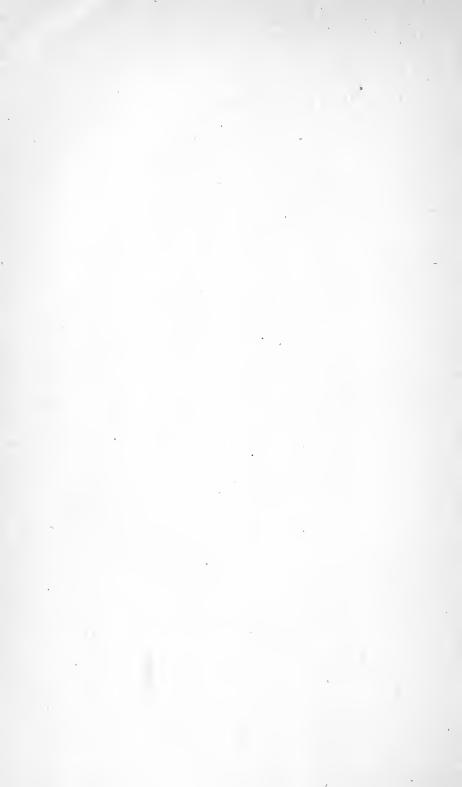
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SIXTY-SECOND ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON STATE HOSPITAL,

FOR THE

YEAR ENDING NOVEMBER 30, 1917.

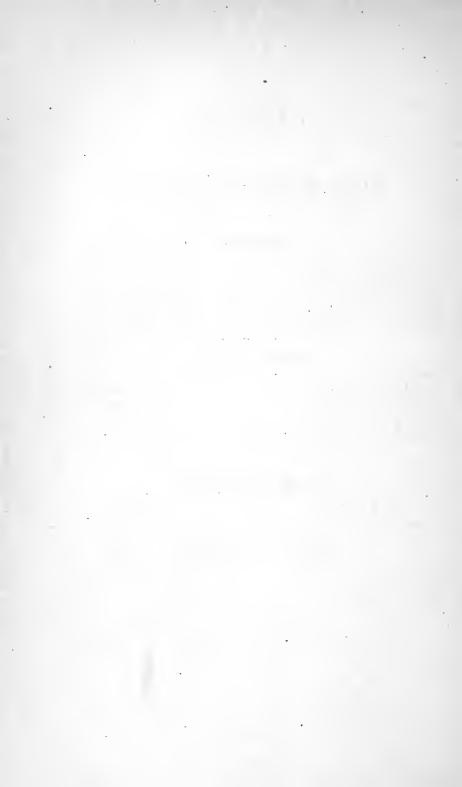


BOSTON:

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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

MR. JOSEPH W. STEVENS, Secretary,		GREENFIELD.
MRS. EMILY N. NEWTON,		HOLYOKE.
MISS CAROLINE A. YALE,		NORTHAMPTON.
LUKE CORCORAN, M.D.,		Springfield.
Mr. JOHN McQUAID,		PITTSFIELD.
MR. HENRY L. WILLIAMS, Chairman,		NORTHAMPTON.
Mr. CHARLES S. SHATTUCK	_	HATFIELD.

JOHN A. HOUSTON, M.D., Superintendent.

RESIDENT OFFICERS.

EDWARD W. WHITNEY, M.D.,		First Assistant Physician.
ANGELA BOBER, M.D.,		Senior Assistant Physician.
ARTHUR N. BALL, M.D.,		Assistant Physician.
ELIZA KILPATRICK, M.D., .		Assistant Physician.
HARRIET M. WHITNEY, M.D.,		Physician to Out-patient
		and Social Service De-
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NONRESIDENT OFFICERS.

Mr. LEWIS S. BAI	BBITT,			Treasurer and Clerk (office
P. W. STONE, D.I				at the hospital). Dentist.

HEADS OF DEPARTMENTS.

Mr. R. OLIN ROBIE,			Farmer.		
MISS S. E. WARREN,			Matron.		
Miss M. A. M. BOND,			Director	of	Occupation
			Therap	u.	

CONSULTING BOARD OF PHYSICIANS AND SURGEONS.

E.	Α.	BATES, M.D.,				SPRINGFIELD.
		DDOWN NED			-	
E.	w.	BROWN, M.D.,	•		•	Northampton.
W.	J.	COLLINS, M.D.,				NORTHAMPTON.
C.	R.	GARDNER, M.D.,				NORTHAMPTON.
Ď.	E.	HARRIMAN, M.D.	,			Springfield.
R.	H.	SEELYE, M.D.,				Springfield.
H.	T.	SHORES, M.D.,				NORTHAMPTON.

Mr. L. W. SINCLAIR, Engineer.



The Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital herewith respectfully present their report for the fiscal year ending Nov. 30, 1917.

The reports of the superintendent and treasurer, which accompany ours, show in detail the operation and affairs of the hospital during the year.

We were granted by the Legislature the sum of \$264,146 for maintenance, which sum was considerably larger than had been needed in any previous year, yet in May an additional sum of \$18,000 was appropriated to meet emergencies made necessary by the war and by the high cost of supplies. The total amount expended for maintenance was \$270,294.51. The daily average number of patients supported was 994.42. The weekly per capita cost was \$5.21. Our estimates based on the expenses of the past year and on present prices of supplies and of labor indicate that it will be still higher the coming year. As a matter of fact the per capita cost of the year just ended would have been larger than it was but for the scarcity of labor, thus keeping our pay roll lower than estimated.

There was an unexpended balance of \$11,996.63 reverting to the State treasury.

The receipts of the hospital from board of patients and from sales and other sources amounted to \$62,730.54. Deducting this sum from the sum expended will leave \$207,563.97, equivalent to a net per capita cost of \$4.01.

We were granted a special appropriation of \$1,760 to complete the equipment of our heating plant with a vacuum system begun last year. Work on this has been delayed because of difficulties in procuring the needed materials, but is progressing well and is now nearly completed. The operation of the new system has proved very satisfactory. All the radiators that have been equipped are now capable of being heated throughout, with no cold coils, and at practically air pressure.

Reference to the superintendent's report will show that the over-crowded condition of former years not only has continued but has increased. Both the total number of patients cared for and the daily average number have been larger than ever before. To relieve the congestion somewhat the Commission on Mental Diseases transferred 113 patients during the year to the Grafton State Hospital, the Gardner State Colony and the Monson State Hospital, but this has afforded only temporary relief. Year after year since 1905, when the last building for the accommodation of patients was erected, there have been transferred to institutions in the eastern part of the State more than 800 patients. This seems to us unwise and unnecessary. The institutions to which they were sent have gone on increasing in size, erecting new buildings, but not any more economically than could have been done in the western part of the State; and comparisons of cost do not show that these patients were maintained more economically than they would have been at Northampton.

The superintendent in his report has suggested several ways by which the overcrowding may be relieved and provision made for all patients that may be committed to the hospital in the future. Whatever measures are adopted should be for the permanent relief of conditions that have for years worked an injustice not only to the patients affected by them, but by the community as well. We therefore think it inexpedient to ask for any enlargement of the institution till definite plans may be formulated by us in conjunction with the Commission on Mental Diseases to provide for all the insane of the four western counties, looking forward ten, fifteen or twenty years.

There are, however, two new buildings needed that will not interfere with future plans for our district, in fact will work in well with them, namely, separate buildings for our nurses and attendants. There are not rooms enough for the nurses, consequently patients' rooms on the wards have to be vacated to make room for nurses, an inconvenience to both nurse and patient.

We have had plans made for two buildings, one for each side of the hospital, at an estimated cost of \$54,000 each. They are large enough to provide accommodations for our quota of nurses, will make the life of the nurses more endurable when off duty, contributing to their comfort, and will add accommodations for 100 patients in the rooms vacated.

We therefore request of the Legislature a special appropriation of \$108,000 to be used in the erection of two nurses' homes.

Our coal and supplies in bulk are unloaded at a siding at the foot of a steep hill nearly a half mile away, imposing much effort and expense in getting them to the hospital. We have corresponded with the railroad officials relative to the cost of laying a spur track to the hospital, but find that it would be more than we feel warranted in asking an appropriation for. There has recently been offered to our Board land alongside the railroad, so situated as to afford excellent opportunities for the erection of a trestle and thus facilitate the unloading of coal. At our present siding it is necessary to shovel the coal three times and often four times before it is finally loaded in the carts in which it is brought to the hospital. From a trestle the coal could be unloaded without shoveling, often directly into the carts. If it should be thought best to develop the hospital any further, as seems most likely, this tract would be the proper site for a heating plant. There are on it a house and barn that would be a source of income to the hospital, affording accommodation for some of our employees, which is desirable whether the institution be enlarged or remain at its present size. We recommend the granting of a special appropriation of \$5,000 with which to purchase this land and the buildings on it.

There have been several changes on our medical staff during the year. Dr. Greene left the service in June. His place was filled by the appointment of Dr. Edward W. Whitney, who had been in our service previously from 1905 to 1911.

Dr. Eleanor M. Slater was appointed temporarily following a service at the Psychopathic Hospital. She was here from March 31, 1917, to Oct. 1, 1917.

Dr. Lillian R. Smith was in our service from July 1, 1917, to Sept. 6, 1917.

On April 24, 1917, Mr. Carl Hammond, the head farmer, resigned and was succeeded by R. Olin Robie, who came here well recommended from a service of ten years at the Tewksbury State Hospital. The results thus far, as shown in our farm report, confirm the wisdom of our selection.

There has been no change in the membership of our Board. We have met regularly once a month to inspect the hospital and to approve bills, and individual members have frequently visited the hospital between the times for stated meetings.

CHARLES S. SHATTUCK.
JOSEPH W. STEVENS.
EMILY N. NEWTON.
CAROLINE A. YALE.
LUKE CORCORAN, M.D.
JOHN McQUAID.
HENRY L. WILLIAMS.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

The superintendent's report of the affairs of the hospital for the year ending Nov. 30, 1917, is herewith respectfully submitted.

The statistics relative to patients in the tables appended to this report are for the year ending Sept. 30, 1917. These tables have been changed from the forms appearing in previous annual reports to conform to a new classification of mental diseases and new forms for reporting statistics concerning the insane as recommended by the American Medico-Psychological Association for the sake of uniformity, and adopted by our State and several others with the expectation that eventually they will be used by State hospitals generally throughout the country.

For your convenience a brief analysis of these tables is given below.

The movement of population during the year has been as follows: at the beginning of the year there were 1,000 patients in the institution and in family care under our supervision, and 122 on visit or escape, making the total number on our books 1,122; during the year 482 were admitted, 486 were dismissed and 140 left the institution on visit or escape, leaving at the end of the year 1,118 on our books and 978 under treatment, — 949 in the institution and 29 in family care.

The number of admissions exceeds the number admitted the previous year by 67. The daily average number actually under care and treatment, 977.58, exceeds by 7.39 the number of the previous year. The total number of cases under treatment, 1,604, exceeds by 89 the number of the previous year.

Of the patients received, 382 had never before been in a hospital for the insane; 98 were readmissions to this or to some other hospital; 2 were transferred from other hospitals.

Of those first admitted to any hospital, 45 per cent. were of foreign birth and 72 per cent. were of foreign parentage.

The average age of those admitted was forty-two years and three months; 52 were between seventy and eighty years of age and 18 were over eighty years, the oldest being ninety-seven years old.

Of the cases admitted, 90 had some form of alcoholic psychosis; 32 were senile cases and 28 had cerebral arteriosclerosis; 19 had general paralysis; 123 were of the dementia præcox groups. The large majority were subject to forms of insanity from which recovery is not to be hoped for. One of the cases admitted had pellagra.

The principal causes of insanity in the cases admitted so far as could be ascertained were heredity, senility, arteriosclerosis, syphilis, and the intemperate use of alcohol.

Of the patients dismissed, 248 were discharged; 113 were transferred by the Commission on Mental Diseases to the Monson and Grafton State Hospitals and Gardner State Colony; 129 were allowed to leave the hospital on trial visit; 9 escaped; 125 died.

The larger number of deaths occurred among the chronic patients and the very old and those suffering from some form of gross brain disease. The average age of those who died was sixty years. Twenty-two were over eighty years of age, one being over ninety. Two cases of acute alcoholism died within a few hours of admission. Apoplexy and cerebral arteriosclerosis were the principal causes of death in 44, general paresis in 13, chronic heart and kidney diseases in 14, tuberculosis in 8.

The large number of patients admitted and cared for has necessarily caused an increase in the routine clinical work, but much of the time we have been short of assistants, one each in the male and female services.

Laboratory examinations of 131 patients were made to determine the presence or absence of syphilis. The blood tests were positive in 32 cases, negative in 70, doubtful in 12, and unsatisfactory in 22. Examinations of the spinal fluid included the Wassermann tests, cell counts and colloidal gold tests. In the 24 cases examined, 12 were found positive, 11 negative and 1 doubtful.

Nine other persons were examined, some of them wives of patients who were found to be syphilitic, and several who came to our clinics. Six cases during the year were given intensive treatment with diarsenol in conjunction with mercury and potassium iodide. These cases were selected in conference with Dr. Thom, assistant pathologist to the Commission on Mental Diseases, as likely to respond favorably to such treatment. Two of the cases of paresis showed considerable improvement at first but gradually relapsed. The third case of paresis was uninfluenced by the treatment, which was finally discontinued. One case of cerebral syphilis improved enough to go home and for several months has been well enough to continue at his former work. Two cases still under treatment, — one of paresis, one of cerebral syphilis, — show no encouraging improvement at the time of this report.

. The pathological work has increased to such an extent as to make it advisable to enlarge our staff so that one assistant may give his whole time to this line of work.

Dispensary work and dental work also have both increased so that an extension of our service is desirable. We need a pharmacist and we could profitably employ a dentist the full time instead of one day a week as now. The dentist reports that during the year he has treated the following cases: prophylaxis, 135; pyorrhea, 12; extracting, 450; alloy fillings, 70; cement fillings, 40; enamel fillings, 19; porcelain crowns, 3; gold crowns, 1; full upper vulcanite dentures, 10; full lower vulcanite dentures, 8; upper partial vulcanite dentures, 2; bridgework, 2; repair of vulcanite dentures, 4; lower metal plate, 1.

Our out-patient and social service department has had an active year, the sixth since its formal inception.

There were 45 cases cared for during the year under family care, 29 remaining at the end of the year. All of those who are able, do some work to help pay their board, some paying for their full support, and a few earning money besides their board; but the increased cost of maintaining them has lessened the number of families willing to accept such cases at the rate of board we are allowed to pay.

Clinics were held regularly each month at Springfield, Pitts-field and Greenfield. These have been well attended, and our experience warrants the belief in their great usefulness to the public and that the public appreciates our help. More and

more cases are being referred for advice, and as the public learns of the clinics more individuals come of their own accord.

To review briefly the nature of the work: patients on parole come to report; relatives of patients in the hospital come to inquire about them; individuals come seeking advice for themselves; the various charitable associations and teachers in the public schools bring children suspected of being feeble-minded for examination; physicians refer patients to us; judges ask examination of persons brought before them, pending a determination of the case, — thus 275 such cases were seen during the year.

Dr. Whitney has frequently visited families or individuals who cannot be brought to the clinics, and has gone in consultation when the patient could not come to us. Homes of newly received patients are visited to learn more of the patient's early history, also homes of patients who are improving, to learn whether conditions warrant dismissal of the patient on trial visit before complete recovery.

The course in our training school has been increased to three years, during one of which the nurse must serve at Bellevue Hospital, with which hospital we have formed an alliance. Three of our nurses are now there in training. The curriculum has been enlarged to include all requirements necessary for our graduates to register in our own State and in New York.

During the entire year we have been handicapped seriously because of inability to engage the proper number of nurses. At times we have had less than 50 per cent. of the needed number in service. This not only makes it difficult for us to give the individual attention to some of our patients that we should like to give, but allows an insufficient time to the nurses for their studies and class work.

In addition to lectures to the nurses in training, members of the staff have given informal lectures to various societies and to classes of students from Smith College, Mt. Holyoke College, and the International College at Springfield, and to the senior class of nurses of Dickinson Hospital.

A brief study of the movement of population as appears in our annual reports for the past ten years and more will call attention to conditions that should receive serious consideration without further delay. During the past year we have received 67 patients more than were received last year, and have cared for 89 more than a year ago, but the number cared for last year was at that time the largest in the history of the hospital. To relieve our over-crowding this year the Commission on Mental Diseases transferred 113 patients to other State institutions, but to judge from past experience the relief thus afforded will be but temporary.

The daily average number supported by us in 1906 was 609. Now it is nearly 1,000, an increase of 62 per cent., with no increase in our accommodations. During that period 748 have been transferred to hospitals in the eastern part of the State, of which number nearly 500 still remain in the hospitals to which they were transferred. The number of patients then of the four western counties still in hospital care is approximately 1,500.

Our hospital has 203 single rooms, including those occupied by nurses and attendants, 59 double rooms to accommodate 132 and dormitory space for 402, a total of 737, but for years we have cared for many more than that number, only, however, by putting extra beds in rooms and dormitories and by making up beds in the corridors at night, on some nights as many as 190.

It is obvious that we cannot accommodate more than we are now caring for without extensive additions to our hospital. Yet it is only reasonable to expect a steady increase in the numbers to be cared for. The reasons for this increase have been discussed frequently by us before. Briefly a part of the increase follows pari passu with the increase in population of our district, and part is due to the fact that advantage is taken more and more of the facilities of the hospital. The public is less apprehensive and more appreciative.

There are several ways in which the numbers in excess of our accommodations may be cared for. The first that comes to mind is a continuance of the present policy of transferring them to other hospitals. In one way this would be the easiest and most desirable method for our institution in that it would leave us fewer patients to care for, but it would also leave us a larger number, relative to all who remain, of old, infirm, untidy, noisy and destructive patients, because not many of these classes are transferred.

I cannot recommend this solution of the difficulty, believing that it is but an act of justice to the patients and to their relatives that they be cared for in their own district, and believing, furthermore, that it is not a measure of economy. Published figures giving the per capita cost for maintenance during the past ten or twelve years do not show that the patients who have been transferred were any more economically maintained than those who remained here.

A second plan has been suggested by us frequently, namely, that a colony or branch of the hospital be established somewhere in our district, perhaps preferably in Berkshire County, to which the overflow of the hospital at Northampton could be transferred. This would be under the control of your Board till in time it might well come under a separate management as an independent institution. A quiet class of patients could be cared for in such a colony, who, by cultivating such farm products as fruit, eggs, milk and, perhaps, butter, would contribute to their own support and probably quite materially to the support of the patients at Northampton.

Thirdly, the present institution might be enlarged either by additions to the present group, or by the erection of detached groups at a little distance from the main group, or by a combination of the two plans. As for these suggestions: the present group is about as large as can be served conveniently by our present heating plant, and it does not seem to me to be wise or desirable to increase the numbers to be cared for in one group. Enlargement should be limited to a small addition to the present group on each side to provide for better classification and a nurses' home for each sex. These could be cared for by our present facilities for heating and lighting. These additions, however, would make room for only the normal increase of one or two years.

Detached groups would provide room for more patients and besides would afford opportunities for a better classification of patients. For instance, one group might be for those employed in the shops and on the farm; another for the quite demented cases; one for the chronic turbulent class who disturb all the others near them; one for convalescent patients; and a small one for the tubercular patients. They could be served by the

present facilities of kitchen, bakery, laundry and farm, but would require a change in the power and heating plant.

It must be kept in mind that if the number of patients be increased, additional accommodations must be provided for officers and employees, who are inadequately provided for at present.

Any material enlargement affording accommodation for more patients and employees will require an enlargement of our heating, lighting and power plant, and if this be necessary it would seem advisable to locate it near the railroad where coal could be unloaded directly into bunkers adjacent to the boiler room and where the smoke and dust and noise would not be a source of annoyance to our patients. The added cost of transmitting light, heat and power would be more than counterbalanced by the saving on cost of transportation of coal from the railroad to the plant in its present location.

Whether anything be done in the near future in accordance with these suggestions or not I recommend that efforts be continued to further the plan suggested in former reports of building a branch hospital, perhaps best near Springfield, where patients may come for consultation and advice; where temporary care and treatment may be provided, thus possibly precluding the necessity of commitment to the hospital at Northampton; and where scientific work in relation to mental diseases and intensive study of cases may be carried on. The Legislature of 1917 passed an act authorizing the development of such a service, for the "investigation of the nature, causes, treatment and results of mental disease and defect." Such an institution would in part be an extension of our social service and outpatient work and clinics for the vicinity of its location.

The year has been a profitable one on the farm, though the dry weather in midsummer reduced the size of the crops which earlier in the season had promised to be larger than usual. The farm products in general averaged about the same in quantity as last year. Enough vegetables were raised to supply our needs for the coming year. The amount of milk was less than desired because of the loss of some of our heifers in last year's fire, but the average yield of milk was increased nearly a quart per animal. We raised all the pork that we can use and much of the beef

The total value of farm products was \$73,273 reckoned by the market rates furnished us by the Commission on Mental Diseases.

Employment has always been considered one of the most important means of treatment. Accordingly as many patients have been employed as possible during the past year. Every one who is physically able is urged to do some sort of work. For those who are convalescing and for those who need special attention and supervision three teachers are employed to direct and stimulate them.

The large number who are in good physical health help in the ward work, sweeping, making beds, dining-room work, helping other patients; in the housework of the administration building, in the sewing and mending rooms, in the kitchen, at the laundry, in the bakery, at the shops, at the barns, on the farm.

Some of the women patients have garden plots in which they may raise flowers and small vegetables for their own use.

All of the upholstering is done by patients, and all of the mattresses, tinware and brooms used in the hospital are made here.

Baskets, shoes, chairs and furniture are repaired by patients, and they help in all of the cement work.

A canning department was established in the room in the basement formerly used by the painter, fitted with pressure kettles for doing canning on a large scale, where 37 varieties were prepared, almost rivaling in variety the 57 of another make and surpassing them in quality in the opinion of those who did the canning and preserving.

The three teachers of industries have supervised the work of from 20 to 40 patients in the industrial room, and 172 on the wards. A list of articles made by them is as follows: crocheting and knitting, 583 pieces, — sweaters, caps, wristlets, mittens, bed socks, scarfs, firemen's shawls and slippers; 132 rugs, including woven, hooked, braided and tied; weaving, 14 pieces, — bags, tablerunners, bedspreads and portières; toweling, woven, $124\frac{1}{2}$ yards; towels, hemmed, 2,361; 15 baskets of reed and raffia; string work, 56 pieces, — belts and key cords; 15 pieces of embroidery, — doilies, cushions, bureau scarfs; toys, 41, — flower sticks, door stops, toy monkeys, toy parrots, paper weights.

There were three exhibitions during the year of work done by the patients, one at Oberlin, Ohio, at an exhibition by the Oberlin Art Association, from April 9 to May 7; one at the meeting of the American Medico-Psychological Association in New York City in May; and one at the Three Counties Fair, October 2, 3 and 4.

Religious services were held each Lord's day for both Catholic and Protestant patients.

Moving pictures were shown every week during the year, and dances every week from Thanksgiving to June.

In addition to these the following entertainments were given: Warren Richards, entertainer; George S. Payne and Mrs. Treichler, entertainers; card party; concert by hospital orchestra; concert by Professor Norris and pupils; concert by the Misses Wood.

On July 4 field sports were held during the day at which prizes were awarded for winners in the various contests by both sexes. In the evening a band concert by the Northampton Band was given on the lawn.

On Hallowe'en the assembly hall was prettily decorated with emblems appropriate to the occasion. Games were played and refreshments were served.

On Christmas there was a tree beautifully decorated and illuminated. A concert was given by our own people, and presents were distributed to all. Every hall in the institution was decorated by nurses and patients, in which both took much interest.

We express thankful appreciation to various persons who thoughtfully remembered the patients. Mrs. Crossin of Pittsfield frequently sent reading matter and also gifts for the Christmas tree; Miss Eastman of South Hadley sent magazines; Mrs. Parker of Northampton, Mrs. Egbert of Springfield, Mrs. Newton of Holyoke, Mr. Moriarty of South Hadley and Mr. Murphy of Springfield gave money to buy presents at Christmas for patients who have no friends to remember them; Bridgman & Lyman, Mrs. Parsons of Northampton and others sent magazines. We also wish to express our appreciation to the publishers of the "Greenfield Recorder," the "Christian Register," "The Christian Science Monitor," "Our Dumb

Animals," "Healthy Home Quarterly" and "The New League Church Journal" for regular issues of their publications.

Newspapers from home are eagerly welcomed by patients. We are glad to receive old magazines for distribution, especially those with illustrations.

As a matter of record it may be appropriate to state briefly how the hospital has shown its patriotism during these troublous times. Many have engaged in Red Cross work, both patients and employees. The women under the encouragement of the matron have met evenings about once a week since spring to knit and sew. The following were among the articles made: 53 sweaters, 114 pairs of socks, 38 pairs of wristlets, 14 scarfs, 30 caps, 86 pin balls, 14 dozen pillow cases, 8 dozen sheets, 63 hospital sheets, 28 pajamas and 8 convalescent robes. For the Halifax sufferers \$76.50 was contributed; for the purchase of Liberty bonds \$5,600; and 105 new members were added to the Red Cross Society besides 6 who were already members.

To encourage the employees to reduce the high cost of living the trustees offered to each of the employees who cared to make use of it a piece of ploughed land to cultivate. They have reported that the following amounts were raised by them: 288 bushels of potatoes, 70 bushels of corn, 269 bushels of beans, 3 bushels of pease, 9 bushels of beets, 24 bushels of tomatoes, 191 heads of cabbage, 19 bushels of turnips, 400 pounds of squash, 60 pounds of citron, 3 bushels of parsnips, 3 bushels of carrots and $3\frac{1}{2}$ bushels of cucumbers.

J. A. HOUSTON,

Superint endent.

VALUATION.

Nov. 30, 1917.

REAL ESTATE.

Land (501 acres)),										\$108,000	00
Buildings, .											822,275	03
			Λ.							-		
											\$930,275	03
			PEF	SON	al P	ROPE	RTY.					
Travel, etc.,											\$1,604	60
Food,											16,533	79
Clothing, .											6,727	40
Furnishings,											66,651	82
Heat, light and	pow	er,									5,641	19
Repairs and imp	rove	emen	ts,								11,248	99
Farm, stable and	d gra	ound	s,								47,825	37
Medical and gen	ıeral	care	,								6,104	66
Industries, .											120	00
										-	\$162,457	82
				St	MMA	RY.					Ψ102,101	02
Real estate											\$930,275	Ω2
Real estate, .												
Personal propert	у,	•	٠	•	٠	•	٠	•	•	•	162,457	82
. *										•	1,092,732	05
										4	1,002,102	00

TREASURER'S REPORT.

To the Trustees of the Northampton State Hospital.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1917:—

C	ASH ACCOUN	r.				
Balance Dec. 1, 1916,		•		•	\$2,994	54
	Receipts.					
Institution Receipts.						
Board of inmates: —						
Private,	\$41,044	47				
Reimbursements, insane, .	17,356	41				
			\$58,400	88		
Salaries, wages and labor: —						
Labor of employees,	\$2	40				
Sales: —						
Travel, transportation and office						
expenses,	402					
Food,	375					
Clothing and materials,	311	90				
Furnishings and household sup-	303	60				
plies,		$\frac{02}{72}$				
Farm and stable:—	11	12				
Cows and calves, \$1,001 00						
Pigs and hogs, . 1,631 60						
Bran sacks, . 93 85						
	2,726	45				
Repairs, ordinary,	10	30				
,			4,149	80		
Miscellaneous receipts: —						
Interest on bank balances, .			179	86		
					62,730	
Sales, account of industries fund,			•	•	218	29
	7.7					
Receipts from Treasury of Con	imonwealth.					
Maintenance appropriations: —			40.00	00		
Balance of 1916,	137 1	•	\$9,281			
Advance money (amount on hand			6,000	00		
Approved schedules of 1917, .		99 14				
Less returned to State Treasurer	r, 00	14	246,574	85		
					261,856	47
Total,					\$327,799	84

			yments					
To treasury of Commonweal								000 500 54
Institution receipts, .	•	•	•	•	•	•	•	\$62,730 54
Maintenance appropriations						10 070	1.0	
Balance November schedu				•		\$12,276		
Eleven months' schedules						246,634		
November advances, .	•	•		•		2,752	64	261,663 79
								201,000 .0
Industries fund: —								010.00
November advances, .				•	•	•	•	218 29
Balance Nov. 30, 1917: —								
In bank,						\$570		
In office,				•		2,616	54	
								3,187 22
m								#P07 F00 C4
Total,	•	•	•	•	•	•	•	\$327,799 84
			TENAN	CE.	1			
Appropriation, current year	, .							\$282,291 14
Balance from previous year,	, broug	ght fo	rward,				•	-
Total,								\$282,291 14
Expenses (as analyzed below	v), .					•	•	270,294 51
~ .								011 000 00
Balance reverting to tre	easury	of C	ommor	iwealt	h, .	•	•	\$11,996 63
· ·	1	, .						
	21700	atysis	of Ex	penses				
Salaries, wages: -	An	alysis	of Ex	penses		•		
, 0		-		penses		\$4,000	00	
John A. Houston, superin	tender	nt,						
John A. Houston, superin General administration, .	tender	nt,		penses ·		29,279	61	
John A. Houston, superin General administration, . Medical service,	tender	nt,				29,279 7,738	61 51	
John A. Houston, superin General administration, . Medical service,	tender	at,				29,279 7,738 17,556	61 51 39	
John A. Houston, superin General administration, . Medical service, Ward service (male), . Ward service (female), .	tender	nt,				29,279 7,738 17,556 15,721	61 51 39 41	
John A. Houston, superin General administration, . Medical service, Ward service (male), . Ward service (female), . Repairs,	tender	nt,				29,279 7,738 17,556 15,721 7,229	61 51 39 41 65	
John A. Houston, superin General administration, . Medical service, Ward service (male), . Ward service (female), . Repairs, Farm and stable,	tender	nt,				29,279 7,738 17,556 15,721 7,229 10,975	61 51 39 41 65 97	
John A. Houston, superin General administration, . Medical service, Ward service (male), . Ward service (female), . Repairs,	tender	nt,				29,279 7,738 17,556 15,721 7,229	61 51 39 41 65 97	\$ 04 701 87
John A. Houston, superin General administration, . Medical service, Ward service (male), . Ward service (female), . Repairs, Farm and stable,	tender	nt,			·. 	29,279 7,738 17,556 15,721 7,229 10,975	61 51 39 41 65 97	\$94,701 87
John A. Houston, superin General administration, . Medical service, Ward service (male), . Ward service (female), . Repairs, Farm and stable,	tender	nt,			·. 	29,279 7,738 17,556 15,721 7,229 10,975	61 51 39 41 65 97	\$94,701 87
John A. Houston, superin General administration, . Medical service, Ward service (male), . Ward service (female), . Repairs, Farm and stable, Grounds,	tender	nt,			·. 	29,279 7,738 17,556 15,721 7,229 10,975	61 51 39 41 65 97 33	\$94,701 87
John A. Houston, superin General administration, . Medical service, Ward service (male), . Ward service (female), . Repairs, Farm and stable, Grounds,	tender	nt,				29,279 7,738 17,556 15,721 7,229 10,975 2,200	61 51 39 41 65 97 33	
John A. Houston, superin General administration, . Medical service, Ward service (male), . Repairs, Farm and stable, Grounds, Religious instruction: — Catholic,	tender	nt,				29,279 7,738 17,556 15,721 7,229 10,975 2,200	61 51 39 41 65 97 33	\$94,701 87 1,238 35
John A. Houston, superin General administration, . Medical service, Ward service (male), . Repairs, Farm and stable, Grounds, Religious instruction: — Catholic,	tender	at,				29,279 7,738 17,556 15,721 7,229 10,975 2,200	61 51 39 41 65 97 33	
John A. Houston, superin General administration, . Medical service, . Ward service (male), . Repairs, Farm and stable, . Grounds, Religious instruction:— Catholic, Protestant, Travel, transportation and	tender	expen				29,279 7,738 17,556 15,721 7,229 10,975 2,200	61 51 39 41 65 97 33 00 35	
John A. Houston, superin General administration, . Medical service, . Ward service (male), . Ward service (female), . Repairs, Farm and stable, Grounds, Religious instruction: — Catholic, Protestant, Travel, transportation and . Advertising, . Postage.	office e	expen				29,279 7,738 17,556 15,721 7,229 10,975 2,200 \$600 638	61 51 39 41 65 97 33 00 35	
John A. Houston, superin General administration, . Medical service, . Ward service (male), . Ward service (female), . Repairs, Farm and stable, Grounds, Religious instruction: — Catholic, Protestant, Travel, transportation and . Advertising, . Postage.	office e	expen				29,279 7,738 17,556 15,721 7,229 10,975 2,200 \$600 638 \$148 562	61 51 39 41 65 97 33 	
John A. Houston, superin General administration, . Medical service, . Ward service (male), . Repairs, Farm and stable, Grounds, Religious instruction: — Catholic, Protestant, Travel, transportation and . Advertising, Postage, Printing and binding, .	office e	nt,				29,279 7,738 17,556 15,721 7,229 10,975 2,200 \$600 638 \$148 562 293	61 51 39 41 65 97 33 	
John A. Houston, superin General administration, . Medical service, . Ward service (male), . Repairs, Farm and stable, . Grounds, Religious instruction: — Catholic, Protestant, Travel, transportation and Advertising, . Postage, Printing and binding, . Stationery and office supp	office &	nt,				29,279 7,738 17,556 15,721 7,229 10,975 2,200 \$600 638 \$148 562 293 690	61 51 39 41 65 97 33 	
John A. Houston, superin General administration, . Medical service, . Ward service (male), . Repairs, Farm and stable, Grounds, Religious instruction: — Catholic, Protestant, Travel, transportation and Advertising, . Postage, Printing and binding, . Stationery and office suppresents .	office e	expen				29,279 7,738 17,556 15,721 7,229 10,975 2,200 \$600 638 \$148 562 293 690 656	61 51 39 41 65 97 33 00 35 97 75 00 73 49	
John A. Houston, superin General administration, . Medical service, . Ward service (male), . Repairs, Farm and stable, . Grounds, Religious instruction: — Catholic, Protestant, Travel, transportation and Advertising, . Postage, Printing and binding, . Stationery and office suppression and telegraph, . Travel,	office control of the	nt,				29,279 7,738 17,556 15,721 7,229 10,975 2,200 \$600 638 \$148 562 293 690 656 854	61 51 39 41 65 97 33 00 35 97 75 00 73 49 25	
John A. Houston, superin General administration, . Medical service, . Ward service (male), . Repairs, Farm and stable, . Grounds, Religious instruction: — Catholic, Protestant, Travel, transportation and Advertising, . Postage, Printing and binding, . Stationery and office suppressions.	office control of the	nt,				29,279 7,738 17,556 15,721 7,229 10,975 2,200 \$600 638 \$148 562 293 690 656 854	61 51 39 41 65 97 33 00 35 97 75 00 73 49	1,238 35
John A. Houston, superin General administration, . Medical service, . Ward service (male), . Repairs, Farm and stable, . Grounds, Religious instruction: — Catholic, Protestant, Travel, transportation and Advertising, . Postage, Printing and binding, . Stationery and office suppression and telegraph, . Travel,	office control of the	nt,				29,279 7,738 17,556 15,721 7,229 10,975 2,200 \$600 638 \$148 562 293 690 656 854	61 51 39 41 65 97 33 00 35 97 75 00 73 49 25	

Amount brought forward	₫,							\$99,334	69
Food: —									
D 44						\$6,148	67		
Butterine,			•	•	•	4,376			
Beans	•		:	•	•	1,028			
Beans, . Bread, crackers, etc.,	•		•	•	•	755			
Canned soups, .	•	•	:	•	•	32			
Cereals, rice, meal, etc.,	•	•	•	•	•	2,315			
Chassa		•		•	•	438			
Eggs,		•		•	•	13,571			
Flour,		•	•	•	•	9,353			
Flour, Fish (fresh, cured and ca.	nnad)	•	•	•	•	3,451			
Fish (fresh, cured and ca.	nnea)	,	•	•	•				
Fruit (fresh), Fruit (dried and preserve	. 1\	•	•	•	•	2,697			
Fruit (dried and preserve	(a),	•	•	•	•	1,434			
Lard and substitutes, Macaroni and spaghetti,	•		•	•	•	720			
Macaroni and spagnetti,	•	•		•	•	354			
Meats, Molasses and syrups,		•	•		•	13,964			
Molasses and syrups,	•	•	•	•	•	527			
Peanut butter, pie filling,	etc.,			•			50		
Potatoes,				•	•	212			
Seasonings and condimen	ts,	•			•	1,040			
Sugar,			•		•	6,912			
Tea, coffee, cocoa, etc.,						3,714			
Vegetables (fresh), .						97	14		
Vegetables (canned and d	lried)	,				310	46		
Yeast, baking powder, et	с.,					428	68		
Freight,						745	83		
								74,633	55
Clothing and materials: —							ę		
Boots, shoes and rubbers	,	•	•		•	\$1,243			
Clothing (outor)						1,648			
Clothing (under), . Clothing (under), . Dry goods for clothing,						276			
Dry goods for clothing,						858			
						164	83		
Leather and shoe findings	2					149	45		
Machinery for manufactu	ıring,					3	11		
Socks and smallwares,						1,424	62		
Freight,						44	93		
								5,814	51
Furnishings and household	suppli	ies: –	-						
Beds, bedding, etc., Carpets, rugs, etc., . Crockery, glassware, cutl						\$4,704	58		
Carpets, rugs, etc., .						290	68		
Crockery, glassware, cutl	ery, e	tc.,				695	00		
Dry goods and smallware	es,					338	86		
Fire hose and extinguished	ers.					250	00		
Furniture, upholstery, et	c.,					76	87		
Kitchen and household w	ares.					2,187	31		
Kitchen and household w Laundry supplies and ma	terial	s.				1,704			
Lavatory supplies and dis	sinfec	tants				750			
Machinery for manufactu	ring					117			
Table linen, paper napkin				•	:	441			
		,, 619	.,	•	•	72			
731	•	•	•	•	•	272			
Electric lamps, .	•	•	•	•	•			11,901	13
							_	11,001	
Amount carried forward	!,							\$191,683	88

$Amount\ brought\ forward,$							\$191,683	88
Medical and general care: —								
					\$275	19		
Books, periodicals, etc., . Entertainments, games, etc.,	•	•	•	•				
Entertainments, games, etc.,	•	•		•	1,269			
Funeral expenses,	•	•	•	•	64			
		•	•	•	14			
Ice and refrigeration, .				•	261			
Laboratory supplies and appar					80			
Manual training supplies,		•	•		595	64		
Medicines (supplies and appar	atus)	,			1,557	84		
Medical attendance (extra),					10	00		
Patients boarded out, .					3,566	88		
Return of runaways, .					100	81		
School books and supplies.					148	46		
Tobacco, pipes, matches,					251	56		
Water,					3,360			
Freight,					6			
17018111,	•	•	•	•			11,563	92
							11,000	32
Heat, light and power: —								
Coal,	•				\$22,525			
Freight on coal and other expe	nses,				2,138			
Freight on coal and other expe					124	00		
Cos					76	10		
Oil,					· 316	24		
Operating supplies for boilers	and e	ngin	es.		114	77		
Freight,			<i>'</i> .		260			
,							25,555	80
Farm and stable: —								
Farm and stable: — Bedding materials, Blacksmithing and supplies, Carriages, wagens and receives					@1 000	90		
Bedding materials,	•	•	•	•	\$1,029			
Blacksmithing and supplies,	•		•	•	1,002		·	
Carriages, wagons and repairs,			•	•	559			
Dairy equipment and supplies					331			
Fencing materials,					23	08		
Fertilizers,					108	50		
Grain, etc.,					21,917	15		
Hay,					52	35		
Hay,					314	93		
Cows,					64	00		
Cows, Other live stock,			. ,		1,504	60		
Labor (not on pay roll), .					38			
Rent			•	Ť	160			
Rent,		•			143			
Stable and barn supplies	•			•	114			
Tools, implements, machines,	•	•	•	•	638			
Trees rines seeds at	eic.,	•	•	•				
Trees, vines, seeds, etc., . Veterinary services, supplies, e		•	•	•	1,049			
vetermary services, supplies, e	etc.,		•	٠	. 104			
Freight,	•	•	•	•	546	88	00 500	0.0
							29,703	U3
Grounds: —								
Tools, implements, machines,					\$7	60		
Trees, vines, shrubs, seeds, etc	.,				268	76		
Freight,					2	06		
							278	42
Amount carried forward,		:					\$258,785	05
		•						

Repairs, ordinary: —		,								
Brick,	$Amount\ brought\ forward,$								\$258,785	05
Cement, lime, crushed stone, etc., 442 86 Electrical work and supplies, 846 55 Hardware, iron, steel, etc., 1,147 91 Labor (not on pay roll), 769 03 Lumber, etc. (including finished products), 1,793 43 Paint, oil, glass, etc., 1,901 22 Plumbing and supplies, 1,313 63 Roofing and materials, 174 84 Steam fittings and supplies, 1,519 44 Tools, machines, etc., 90 65 Boilers, repairs, 196 98 Engines, repairs, 476 76 Freight, 123 44 Repairs and renewals:— 688 72 Total expenses for maintenance, \$270,294 51 Resources \$3,187 22 November cash vouchers (paid from advance money), account of maintenance, 2,752 64 Not used and returned to State Treasurer, 60 14 Due from treasury of Commonwealth from available appropriation, account of November, 1917, 17,659 52 Liabilities. \$23,659 52 Liabilities.	Repairs, ordinary: —									
Electrical work and supplies,	Brick,						\$24	00		
Hardware, iron, steel, etc.,	Cement, lime, crushed stone,	etc.,					442	86		
Labor (not on pay roll),	Electrical work and supplies,						846	55		
Lumber, etc. (including finished products), 1,793 43 Paint, oil, glass, etc., 1,901 22 Plumbing and supplies, 1,313 63 Roofing and materials, 174 84 Steam fittings and supplies, 1,519 44 Tools, machines, etc., 90 65 Boilers, repairs, 196 98 Engines, repairs, 476 76 Freight, 123 44 Repairs and renewals:— Renew plumbing, 688 72 Total expenses for maintenance, \$270,294 51 Resources and Liabilities. Resources. Cash on hand, \$3,187 22 November cash vouchers (paid from advance money), account of maintenance, 2,752 64 Not used and returned to State Treasurer, 60 14 Due from treasury of Commonwealth from available appropriation, account of November, 1917, schedule, 17,659 52 Liabilities.	Hardware, iron, steel, etc.,						1,147	91		
Paint, oil, glass, etc.,	Labor (not on pay roll), .						769	03		
Plumbing and supplies,	Lumber, etc. (including finish	ed pr	roduc	ts),			1,793	43		
Plumbing and supplies,	Paint, oil, glass, etc., .						1,901	22		
Steam fittings and supplies,			٠.				1,313	63		
Tools, machines, etc.,	Roofing and materials, .		. `				174	84		
Boilers, repairs,	Steam fittings and supplies,						1,519	44		
Engines, repairs,	Tools, machines, etc., .						90	65		
Freight,	Boilers, repairs,						196	98		
Repairs and renewals:— Renew plumbing,	Engines, repairs,						476	76		
Repairs and renewals:— Renew plumbing,	Freight,						123	44		
Renew plumbing,									10,820	74
Total expenses for maintenance, \$270,294 51 RESOURCES AND LIABILITIES. Resources. Cash on hand,	Repairs and renewals:									
Resources and Liabilities. **Resources.** Cash on hand,	Renew plumbing,			•			•		688	72
Resources. Cash on hand,	Total expenses for maintena	ance,				•		•	\$270,294	51
Cash on hand,	Reso	URCE	S AN	D LIA	BILITI	ES.				
November cash vouchers (paid from advance money), account of maintenance,	•		Resou	irces.						
November cash vouchers (paid from advance money), account of maintenance,	Cash on hand,						\$3,187	22		
Not used and returned to State Treasurer,										
Not used and returned to State Treasurer,	money), account of maintenar	nce,					2,752	64		
able appropriation, account of November, 1917, schedule,							60	14		
schedule,	Due from treasury of Common	ıweal	th fr	om av	ail-					
\$23,659 52 Liabilities.	able appropriation, account of	of No	oveml	ber, 1	917,					
Liabilities.	schedule,						17,659	52		
									\$23,659	52
Schedule of November bills,			Liabil	lities.						
	Schedule of November bills,								\$23,659	52

PER CAPITA.

During the year the average number of inmates has been 994.42. Total cost for maintenance, \$270,294.51.

Equal to a weekly per capita cost of \$5.21.

Receipt from sales, \$4,147.40.

Equal to a weekly per capita of \$0.079.

All other institution receipts, \$58,583.14.

Equal to a weekly per capita of \$1.12.

Respectfully submitted,

LEWIS F. BABBITT,

Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

ALONZO B. COOK,

Auditor.

STATISTICAL TABLES

AS ADOPTED BY AMERICAN MEDICO-PSYCHOLOGICAL ASSOCIATION.

PRESCRIBED BY MASSACHUSETTS COMMISSION ON MENTAL DISEASES.

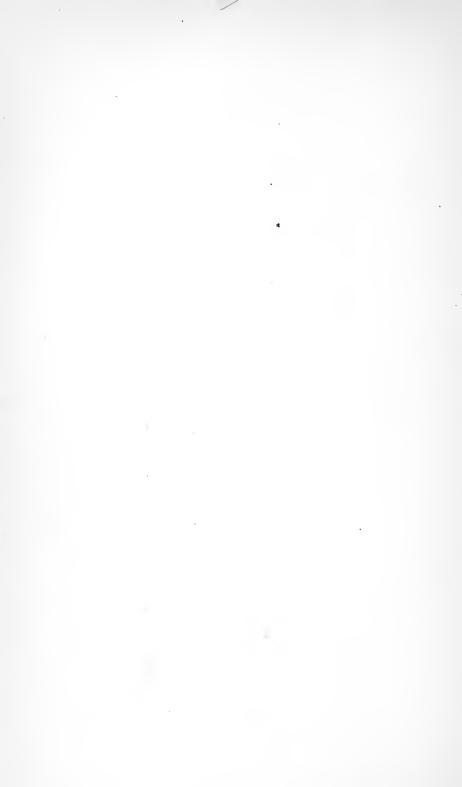


Table 1. — General Information.

1	Data of	oponing a	an	institution	for	the	incone.	A 110	16	1858
т.	Date of	opening a	э ац	moundingm	101	OHC	msanc.	LLUE.	10,	1000.

2.	Type	of	institution:	State.
----	------	----	--------------	--------

3. Hospital plant: -

Value of hospital prop Real estate, including			gs, }					\$865,0	11 00
Personal property,								125,38	85 51
Total,								\$990,39	96 51
Total acreage of hosp				,					
Acreage under cultive	ation	auı	ring :	year,	, 210	•			
Acreage under cultiva 4. Medical service: —	ation	a aui	ring y	year,	, 210	•	Men.	Women.	Total.
		auı	ring ;	year,	, 210		Men. 1	Women.	Total.
4. Medical service:—			ring ;	year,	, 210	•	Men. 1 2	Women.	Total. 1 5
4. Medical service: — Superintendents, .				year,	•		1	_	1
4. Medical service: — Superintendents, . Assistant physicians,	·			,	•		1	_	1

5. Employees: — Graduate nurses,		Males.	Females.	Total.
Other nurses and attendants, .		33	26	59
Social workers,		_	1	1
All other employees,		90	_	90
Total,		123	31	154

6. Percentage of patients employed during year, . Men. Women. Total. 73.61 43.72 58.58

Table 2. — Financial Statement.

See treasurer's report for data requested under this table.

Table 3.— Movement of Patient Population for the Year ending Sept. 30, 1917.

840		Totals.	$1,122^{1}$	382 98 480 2 482 1,604	75 112 41 20 113 1125 486 1,118	1,112.09 964.76 31.98 115.35 163 949 732 86
Tomar ow Rooms		Females.	565	163 46 209 1 210 775	30 20 10 10 223 523 552	563.22 485.22 28.55 49.45 6 4774 323 523 529
E		Males.	557	219 52 271 271 272 829	45 67 21 10 10 45 75 263 566	548.87 479.54 8.43 65.90 1.90 475 475 409 334
	is.	Totals.	ı		1111001001	<i>खंखं</i> । । । । । । ।
	INEBRIATES	Females.	ı	116166	1111601601	બંબં ા ા ા ા ા ા
LASSES	INI	Males.	ı	11111	1111111	
OTHER CLASSES.	LARY.	.alstoT	1	11	111-11-1	15.08
0	SANE, VOLUNTARY.	Females.	1	11	11141141	.08
	SANE,	Males.	1	11111	1 1 1 1 1 1 1 1	111111111
		Totals.	1,1221	381 96 477 2 479 1,601	75 112 41 111 125 483 1,118	1,111.66 964.41 31.98 115.27 115.27 163 949 732 86
	INSANE.	Females.	565	162 44 206 1 207 772	25 20 20 20 20 20 20 20 20 20 20 30	562.79 484.87 28.55 49.37 73 4774 323 999
		Males.	557	219 52 271 272 829	265 263 263 263 263 263	548.87 479.54 3.43 65.90 65.90 90 475 409 33
			1. Patients on books of institution Sept. 30, 1916,	Admissions during year:— (a) First admissions, (b) Readmissions, Total admissions, (c) Transfers from other institutions for the insane, Total received during year, Total neet received during year,	Discharged from books during year:— (a) As preovered, (b) As unimproved, (c) As unimproved, (d) As not insane, (e) Transferred to other institutions for the insane, (f) Died during year, 4. Total discharged from books during year, 5. Patients remaining on books of institution Sept. 30, 1917,	Supplementary Data. 6a. Average daily number of patients on books during year, 6b. Average daily number of patients actually in institution during year, 7a. Average daily number of patients in family care, 7b. Average daily number of patients in family care, 8. Number of voluntary patients admitted during year, 9. Number of temporary-care cases admitted within the year, 10. Number of patients actually remaining in institution Sept. 30, 1917, State, Reimbursing, Private,

11. Number of patients in family care Sept. 30, 1917, State, Private, Self-supporting, 12. Number of different persons within the year. 13. Number of different persons admitted from the community, 14. Number of different persons dismissed, exclusive of transfers,	4 7 8 8 2 1 1 8 2 2 1 0 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25 17 6 6 205 205 153	29 17 17 369 369	=	111111	1111	1111		111111	1111001	4 3 1 821 821 270 216	25 17 17 207 207 154	29 17 17 9 1,588 477 370
 Number of non-insane patients or inmates in institution at end of inst Persons given advice or treatment in out-patient department department 	tution year			٠.				• •	٠.	Males.	Females - 61		Totals.

¹ Includes 1 male patient returned to institution from escape of a previous year.

 ${\tt Table 4.} \ -- \ Nativity \ of \ First \ Admissions \ and \ of \ Parents \ of \ First \ Admissions.$

		P.	ATIENT	's.		RENTS Male ATIENT		OF	ARENT FEMA ATIENT	LE
Nativity.		Males.	Females.	Totajs.	Males.	Females.	Totals.	Males.	Females.	Totals.
United States, .		123	95	218	72	74	146	56	59	115
Austria,		14	5	19	13	13	26	6	6	12
Canada,		13	11	24	30	25	55	16	13	29
England,	•	5	2	7	9	7	16	3	3	6
Finland,		-	1	1	-	-	-	1	1	2
Germany,		2	4	6	4	4	8	7	6	13
Greece,		. 2	1	3	2	2	4	1	1	2
Ireland,		21	28	49	47	50	97	52	52	104
Italy,		8	5	13	8	8	16	5	5	10
Portugal,		1	1	2	1	1	2	1	1	2
Russia,		20	8	28	20	20	40	9	8	17
Scotland,		6	1	7	6	7	13	4	5	9
Sweden,		-	-	-	-	-	-	1	1	2
Switzerland,		2	-	2	2	2	4	-	-	-
Turkey in Asia, .		2	-	2	2	2	4.	-	-	-
Total foreign born,		96	67	163	144	141	285	106	102	208
Unascertained, .		-	-	-	3	4	7	-	1	1
Grand total, .		219	162	381	219	219	438	162	162	324

Table 5. — Citizenship of First Admissions.

					Males.	Females.	Totals.
Citizens by birth,	•				122	94	216
Citizens by naturalization,			٠.		51	25	76
Aliens,					45	32	77
Citizenship unascertained,				.	1	11	12
Total,				.	219	162	381

Table 6. — Psychoses of First Admissions.

Psychoses.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,			1		1	
2. Senile, total,				20	10	30
(a) Simple deterioration,	9	3 2	12		-	00
(b) Presbyophrenic type,	4	2	6			
(c) Delirious and confused states, (d) Depressed and agitated states in addition to	1	-	1			
deterioration.	6	3	9]		
deterioration, (e) Paranoid states in addition to deterioration, .	-	3 2	2	1		
3. With cerebral arteriosclerosis,				16	11	27
4. General paralysis,				15	2 3	17
5. With cerebral syphilis, 6. With Huntington's chorea, 7. With hysin tumor				3 1	3	6 1
7. With brain tumor,	l: :	: :			_	
8. With other brain or nervous diseases, total,				1	6	7
Paralysis agitans,	-	1	1	j .		
Multiple sclerosis,	_	1 1	$\begin{bmatrix} 1 \\ 2 \end{bmatrix}$			ĺ
Cerebrospinal syphilis,	_	2 2	2			
Brain abscess	1	_	1			
9. Alcoholic, total,		[· .]		56	19	75
(a) Pathological intoxication,	12	2	2			
(b) Delirium tremens,	32	1 3	13 35			
(d) Acute paranoid type	ĩ	ı	35 2			
(e) Korsakow's psychosis,	3	1	4			
(f) Chronic hallucinosis,	4	3	7	i l		
(g) Chronic paranoid type,	1 3	7	8			
10. Due to drugs and other exogenous toxins,		. 1		l – i	_	_
11. With pellagra,				-	1	1
12. With other somatic diseases, total,		· i		7	9	16
(a) Delirium with infectious disease,	1 2	1	2 2 5	.		
(b) Post-infectious psychoses,	2	3	5			
(d) Delirium of unknown origin,	ī	3 2	3			
(e) Diseases of the ductless glands,	-	1	1			
(f) Cardiorenal disease,	1	2	2			
13. Manic-depressive, total,	. 1		. 1	29	21	50
(a) Manic type,	11	4	15			•••
(a) Manic type,	14	11	25			
(c) Stupor,	4	1 4	8			
(d) Mixed type, (e) Circular type,	-	i	î			
14. Involution melarcholia,				5	9	14
15. Dementia præcox, total,			ا نہ ٠	37	55	92
(a) Paranoid type,	3 8	18	21 31	1		
(c) Hebephrenic type,	23	23 7 7	30		i	
(d) Simple type,	3	7	10	ĺ	i	
16. Paranoia and paranoic conditions,				1	-	1
17. Psychoneuroses, total,	· i	· i		4	3	7
(b) Psychasthenic type,	il	i	2		ĺ	
(c) Neurasthenic type.	2	î	3 II			
18. With mental deficiency, 19. With constitutional psychopathic inferiority, 19. Prilography to the constitutional psychopathic inferiority,				9	- 1	9
19. With constitutional psychopathic interiority,			· ·	1	1	1
20. Epileptic, total,	i	· il	· 2	1	1	Z
21. Undiagnosed,				- 1	-	-
22. Not insane, total,				12	10	22
(a) Epilepsy without psychosis,	1	=	1			
(b) Alcoholism without psychosis,	4 3	_	3			
(d) Constitutional psychopathic inferiority with-			l l			
out psychosis,	2	3 7	5			
(e) Mental deficiency without psychosis,	2	7	9			
Total,				219	162	381
,		1	- []			

Table 7.— Race of First Admissions classified with Reference to Psychoses.

	1,8	.alatoT		
	WITH HUNTINGTON'S CHOREA.	Females.	111111111111111111	_
	HUNT	Males.	31111111111111111111	
	RAL .	.elstoT	111111111111111111111111111111111111111	=
	WITH CEREBRAL SYPHILIS.	Females.	111111101111111	
	WITH	Males.	1	
	T S	.alstoT	11010111011110112	_
	GENERAL PARALYSIS,	Females.	111111111111111111111111111111111111111	
OSES.	PA	Males.	1101011101011	
Psyce oses.	RIO-	Totals.	20 20 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	
	WITH CERE- BRAL ARTERIO- SCLEROSIS.	Females.	111111111111111111111111111111111111111	
	WI BRAJ BC	Malea.	111111111111111111111111111111111111111	
	_	.elstoT	1 1 2 1 2 1 1 1 1 1 1 2 1 2 2 3	
	SENILE.	Females.	110011111111111111111111111111111111111	
	<i>a</i>	Males.	1111211121112	
	JC.	Totala.	111111110111111111111	
	TRAUMATIC.	Females.		
	HT.	Males.	111111111111111111111111111111111111111	
		.elstoT	7,1 1,7 1,7 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0	
	Total.	Females.	25 25 25 25 25 25 25 25 25 25 25 25 25 2	_
		Males.	22.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	
	RACE.			
			African, Armenian, English, Finnish, Greek, Hebrew, Irish, Magyar, Portuguese, Scandinavian Scotch, Mixed, Total,	

Table 7.— Race of First Admissions classified with Reference to Psychoses — Continued.

	١ .	Totals.	30 S S S S S S S S S S S S S S S S S S S
	DEMENTIA PRÆCOX.	Females.	20 55 55 55 55 55 55 55 55 55 55 55 55 55
	DE	Males.	14 14 14 15 14 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 17
	ON CIA.	refetoT.	111101111411111110
	INVOLUTION MELANCHOLIA,	Females.	
	INA	Males.	11-11-111111000
	75.	Totals.	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	MANIC- DEPRESSIVE.	Females.	21 111111111111111111111111111111111111
	DEI	Males.	1 1 1 1 1 1 1 1 1 1
eg.	ER S.	.slatoT	11 11 11 11 11 11 11 11 11 11 11 11 11
Psychoses.	WITH OTHER SOMATIC DISEASES.	Females.	111111011-1
Ps	ET W B ICI	Males.	
	GRA.	Totals.	1111111111111111
	WITH PELLAGRA.	Females.	111111111111111111
	WITH	Males.	1111111111111111111
	īc.	Totals.	2 2 2 2 2 2 2 2 2 2
	ALCOHOLIC.	Females.	111111111111111111111111111111111111111
	IA	Males.	10 10 10 10 10 10 10
	IER DUS S.	Totals.	11-10111-111-16
	WITH OTHER BRAIN OR NERVOUS DISEASES.	Females.	11-1-111-11111 0
	WI	Males.	1111-1111111111
-			
	RACE.		
	1		African, Armenian, Erelish, Finnish, French, German, Greek, Italian, Italian, Magyar, Rotuguese, Scandinavian Socadinavian Soyrian, Silayonic, Silayonic, Silayonic, Mixed, Total,

Table 7. — Race of First Admissions classified with Reference to Psychoses — Concluded.

	e.	Totals.	11110111101111
	NOT INSANE.	Females.	111 11 11 11 11 11 11 11 11 11 11 11 11
	NOT	Males.	111121112111112
	.:	Totals.	11-11111111111 0
	EPILEPTIC.	Females.	111::1111111111
	ďg	Males.	11-11111111111
	TI-	.elatoT	111111111111111
	WITH CONSTITUTIONAL PSYCHOPATHIC INFERIORITY.	Females.	111111111111111
OSES.	WIT TO PSYC INFI	Males.	11111111111111111
Ратсновез.	rat.	.zlstoT	111111111111111111111111111111111111111
	WITH MENTAL DEFICIENCY.	Females.	1111111111111111
	WIT	Males.	111111111111111111111111111111111111111
	OSES.	Totals.	1 1 1 1 1 1 1 1 1 1
	PSYCH ONE UROSES.	Females.	111111111111111111111111111111111111111
	PSYCH	Males.	11111-1111111-10 4
	AND C TB.	.slstoT	1111111111
	PARANOIA AND PARANOIC CONDITIONS.	Females.	1 2 1 1 1 1 2 4 2 1 1 1 1 1 1 1 1 1 1
	PARA PA CON	Males.	11111111111111111111
		!	
	RACE.		
	m		
0			African, Armenian, Finelish, Finelish, German, German, Greek, Irish, Italian, Italian, Magyar, Portuguese, Scardinavian, Scotch, Scorton, Mixed, Alixed, Total,

Table 8.— Age of First Admissions classified with Reference to Principal Psychoses.

1	1.	Totals.	011001112111001110	53
	40-45.	Females.	- - -	25
H	4	Males.		28
		Totals.	1118-11-411-61811-118	41
	35-40.	Females.	1111-11-0111010111111	16
		Males.	111011110111001011111100	25
		Totals.	11-00111-1110001011001110	43
1	30-35.	Females.	1111111000000001111110	20
	~	Males.	1	23
		Totals.	111111111111111111111111111111111111111	42
VEARS	25-30.	Females.	1:1111111111110	16
^	-	Males.	111111101114101011111	26
		Totals.	111111111111111111111111111111111111111	35
	20-25.	Females.	111111111111111111111111111111111111111	14
	2	Males.	111111111111111111111111111111111111111	21
		Totals.	1111-111111-12-111110	12
ļ	15-20.	Females.	111111111111111111111111111111111111111	22
		Males.		7
	15.	Totals.	1111111111111	-
	UNDER	Females.	1111111111111111111111	i
	d d	Males.	111111111111111	-
	.3	Totals.	888272911721192486176618	381
	Тотаг.	Females.	110 111 122 23 24 155 16 17 17 17 17 17 17 17 17 17 17 17 17 17	162
		Males.	22 150 110 20 21 20 21 111 111 121 121 121 12	219
			·,····	•
I				
			· · · · · · · · · · · · · · · · · · ·	
			asses, us toxins, us, is,	
			clerosis, iorea, ervous diseases, er exogenous toxins iseases, ia, c conditions, y, y,	
		υį	* O H •	
		Psychoses.	derosis, orea, rexogenou reases, a, conditions	
		SYCE	clerosi, ', ', 'orea, ervous er exog sea eses, seases, ia, c cond c cond	.
	1	-	rios rios rios rios rios rios rios rios	
			aarte ysis,	
			oral araly araly ring ting ting t br sor ressi r sor r	
			natic is particular in the control of the control	.,
			1. Traumatic, 2. Senile, 3. With cerebral arterioselerosis, 4. General paralysis, 5. With cerebral sryphilis, 6. With therebral sryphilis, 7. With brain tumor, 7. With brain tumor, 8. Alcoholic, 10. Due to drugs and other exogenous to 11. With pellagra, 12. With other sornatic diseases, 13. Manic-depressive, 14. Involution melancholia, 15. Dementia precox, 16. Paranoia and paranoic conditions, 17. Psychoneuroses, 18. With mental deficiency, 19. With constitutional psychopathic infector of the person o	Total, .
			ZGEGERE ZGERERE ZGERERE	
		ı	+ g g 4 6 6 7 8 9 6 1 9 8 4 8 8 7 8 9 8 9 8 9 8	ii

Table 8.— Age of First Admissions classified with Reference to Principal Psychoses — Concluded.

	. 1	Totals.	i o ∞ i i i i i i i i i i i i i i i i i
	OVER 80.	Females.	100411111111111111111111111111111111111
	OVE	Males.	1004111111111 0
1		Totals.	100111111111111111111111111111111111111
	75-80.	Females.	00
	15	Males.	4400
		Totals.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	70-75.	Females.	100-11111111111111111111111111111111111
	2	Males.	18241111111111111 0
		Totals.	1000111111111111111111111
	65-70.	Females.	110111111111111111111111111111111111111
RS.	9	Males.	100111111111111111111111111111111111111
YEARS.		Totals.	22 11111123111111111
	60-65.	Females.	1141111101114011411114 6
	9	Males.	
	55-60.	Totals.	1944111451199841441111 0
		Females.	111111111111111111111111111111111111111
		Males.	100-111141110-11-1-111
	50-55.	Totals.	111211111211111111111111111111111111111
		Females.	111111111111111111111111111111111111111
		Males.	1 1 2 1 1 1 1 1 1 1
	45-50.	Totals.	1
		Females.	111241124141212111114
		Males.	1
			itty
			sclerosis, is, horea, nervous diseases, her exogenous toxins, liseases, oic conditions, ory,
			sclerosis, is, increa, increas diseases, liseases, ilia, ior conditions, rey,
		EB.	sclerosis, s, horea, nervous disea ner exogenous iseases, lia, ic conditions, cy, osychopathic
Psychoses.			is, is. ishores, in cond is co
			oscle iis, chor chor ither dise olia, oncy,
			is, is, is, is, is, is, is, is, is, is,
			al al al al al al al al al al al al al a
			Traumatic, Senile, Senile, With cerebral arteriosclerosis General paralysis, With furthington's chorea, With Brain tumor, With brain tumor, With the brain or nervous Alcoholic, Due to drugs and other exog With other brain or nervous Mith other brain or nervous Alcoholic, Due to drugs and other exog With other somatic diseases, Manic-depressive, Involution melanchia, Dementia pracox, Mith mental differency With mental differency With mental differency With mental differency Undiagnosed, Undiagnosed, Not insane,
			Traumatic, Senile, caebide, caebide, caebide, with cerebidental parallel, with brain with brain with brain with brain with other With other With other With other With other with other parallel, with other parallel, with other with with other with other with other with other with with other with other with other with with other with with other with ot
			Traumatic, Senile, Senile, Senile, With cerebral General parali, With Funding With Plant tu With bran tu With other br Alcholic, Due to drugs With pelagra, With other wo Mith other wo Farancia and Parancia and Right mental and With mental and Wit
			11.2.2.4.3.5.4.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1

Table 9. — Degree of Education of First Admissions classified with Reference to Psychoses.

ا . يا	.elstoT	11-1-1-1111111111111111	67
UNASCER- TAINED.	Females.	11-1-11111111111111	2
D ₂	Males.	* * * * *	1
ei ei	Totals.	111111111111111111111111111111111111111	7
College.	Females.	1111111111111111111111111	1
	Males.	111111111111111111111111111111111111111	67
	Totals.	11441111111110001414110	22
Нген Вснооц.	Females.	111111111141011111111111111111111111111	14
, ω	Males.	111111111110111110	8
z :	Totala.	20110000000000000000000000000000000000	235
Common School.	Females.	10342111501114221112	86
೧೩೩	Malea.	14111111111111111111111111111111111111	149
£.	Totals.	122 1 1 2 2 2 1 1 1 2 2 2 2 1 1 1 2 2 2 2 1 1 1 2 2 2 2 2 1 1 2	77
READS AND WRITES.	Females.	104 0 00000 10	36
REA W	Males.	19011111511401441601110	41
E.	Totals.	10011111011001114	43
ILLITERATE.	Females.	100111110110110110111100	24
ILLI	Males.	11111111111111111111111111111	19
	Totals.	33 30 6 6 177 177 118 118 92 12 12 12 13 14 14 17 17 17 17 17 17 17 17 17 17 17 17 17	381
Total.	Females.	10 11 11 10 10 10 10 10 10 10 10 10 10 1	162
L	Males.	20 116 115 117 117 117 117 117 117 117 117 117	219
			•
		LB, '.'	•
		cierosis, incea, ervous diseases, er exogenous toxins, seases, ia, c conditions, y; y;	•
		iseasi nous ons,	•
Psychoses.		sclerosis, solutions servous disea er exogenou iseases, ia, ic conditions yy sychopathic	
		2	
		ferio ferio is, phili n's c. ror r. tic d d otl tic d d. tic d otl ric d otl ric d otl ric d otl ric or r. rano	
		al ard al ard al ard al ard al ard al ard al ard al ard al ard al ard al ard ard ard ard ard ard ard ard ard ard	
		titic, rebri	
•		Traumatio, Senile. Senile. With cerebral arterios General paralysis. With cerebral syphilis. With brain tumor, With brain tumor, With brain tumor. Alcoholio. Due to drugs and oth With other brain or n Alcoholio. With other brain or n Alcoholio. With other somatic di with other somatic di With other somatic di With other somatic di Paralon and paranol Pomentia precox, Paranoia and paranoi Regeloneuroses, With mental deficience With constitutional pur Epileptic, Lindiagnosed, Not insane, Not insane,	Total,
			Ţ
J			

Table 10. — Environment of First Admissions classified with Reference to Principal Psychoses.

	7	Готаі	. .	τ	URBAN. RURAL.				L,
Psychoses.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	2	1	3	2	-	2	-	1	1
2. Senile,	20	10	30	13	3	16	7	7	14
3. With cerebral arteriosclerosis,	16	11	27	10	6	16	6	5	11
4. General paralysis,	15	2	17	12	2	14	3	-	3
5. With cerebral syphilis,	3	3	6	2	2	4	1	1	2
6. With Huntington's chorea,	1	-	1	1	-	1	-	-	-
7. With brain tumor,	_	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases, .	1	6	7	1	4	5	-	2	2
9. Alcoholic,	56	19	75	42	11	53	14	8	22
10. Due to drugs and other exogenous toxins,	-	-	-	-	-	-	-	_	-
11. With pellagra,	-	1	1	-	1	1	-	-	-
12. With other somatic diseases,	7	9	16	4	4	8	3	5	8
13. Manic-depressive,	29	21	50	19	15	34	10	6	16
14. Involution melancholia,	5	9	14	2	6	8	3	3	6
15. Dementia pracox,	37	55	92	26	29	55	11	26	37
16. Paranoia and paranoic conditions,	1	-	1	-	-	-	1	-	1
17. Psychoneuroses,	4	3	7	2	2	4	2	1	3
18. With mental deficiency,	9	-	9	3	-	3	6	-	6
19. With constitutional psychopathic inferi-	-	1	1	-	-	-	-	1	1
ority. 20. Epileptic,	1	1	2	1	-	1	-	1	1
21. Undiagnosed,	-	-	-	-	-	-	-	-	-
22. Not insane,	12	10	22	8	4	12	4	6	10
Total,	219	162	381	148	89	237	71	73	144

Table 11. — Economic Condition of First Admissions classified with Reference to Principal Psychoses.

Unascertained,	Totals.	1111111411411411411411	12
	Females,	111111110111-1101111111	9
Unas	Males.	111111110111-1011-1111	9
LE.	Totals.		20
COMFORTABLE.	Females.	H0001	33
Сом	Males.'	040 0	17
ئ	Totals.	2885c-1461-048c-2-2-4	245
MARGINAL.	Females.	1000001100114041111111111	98
M	Males.	2998881 1231 124 124 11 10	159
ïr.	.slatoT	1728 11 1 1 1 1 1 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 2 1 2	74
Dependent.	Females.	31 1 1 1 2 1 1 1 2 1 1	37
DE	Males.	12 16 6 6 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	37
	rslatoT	230 177 177 177 177 179 179 179 179 179 179	381
Total.	Females.	110 110 111 110 110 110 110 111 111 111	162
	Males.	20 116 115 115 11 11 11 115	219
			•
		ss, ss, toxin	
Рѕтсноѕъв.		seasè seasè nous nons,	
		derosis, orea, rryous diseases, reases, a, conditions, y, yrhopathic inferiority	
		c con	
	Ps	erios hilis r's ch r's ch r's ch ric di choli r's chol ric di senoi	·
		lart llysis lay lay lay lay lay lay lay lay lay lay	•
		tic, ebra para para ebra intin intin intr bier by c, c, represepre epre epre in pr	•
		1. Traumatic, 2. Senile, 3. With oreebral arteriosolerosis, 4. General paralysis, 5. With terebral syphilis, 5. With therebral syphilis, 7. With hain tumor, 8. With thick of the brain or nervous diseases, 9. Alcoholic, 10. Due to drugs and other exogenous toxii 11. With pellagra, 12. With other somatic diseases, 13. Mand-edpressive, 14. Involution melanchia, 15. Dementia precox, 16. Paranoia and paranoic conditions, 17. Psychoneuroses, 18. With mental deficiency, 19. With constitutional psychopathic inferic 20. Epileptic, 21. Unitagnosed, 22. Not insane,	Total,
	1	Tra With With With With With With With With	H
		123.6.4.7.6.0.0.0.0.0.2.2.2.2.2.2.2.2.2.2.2.2.2.2	

Use of Alcohol by First Admissions classified with Reference to Principal Psuchoses. Trees 19

ED.	Totals.	HH	9
Unascertained.	Females.	[9
Unasc	Males.		ı
	refetoT	10034111151108171011111	130
INTEMPERATE	Females.		32
INTE	Males.	1201 4 127 11 12	86
	.sletoT	1211 1221 1321 1411 072 082 1 1 0	129
TEMPERATE.	Females.	1 03 03 00 00 - 00 100	22
Tell	Males.	11112211111112311111111111111111111111	107
i.	Totals.	H2-81-11-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	116
ABSTINENT	Females.	17-88 11 12 1 10 9 6 7 10 11 12 1	102
AB	Males.	1	14
	.elstoT	80277911751190448176612	381
TOTAL.	Females.	1001 11001 11001 11001 11001 1001	162
60 10	Males.	200000000000000000000000000000000000000	219
TIECOL	•		•
Total. Abstinent. Temperate. Intermediate.		ases, is toxins, ; ; inferiority,	
TABIE 14.	Гатоновъв.	1. Traumatic, 2. Senile, 3. Senile, 4. General paralysis, 5. With cerebral arterioselerosis, 5. With cerebral syphilis, 6. With Hunington's chorea, 7. With brain tumor, 8. Mich other brain or nervous diseases, 9. Alcoholic, 10. Due to drugs and other exogenous toxins, 11. With other somatic diseases, 12. With other somatic diseases, 13. Manic-depressayc, 14. Involution melancholia, 15. Dementia praecox, 17. Psychoneuroses, 18. With mental deficiency, 19. With constitutional psychopathic inferiority 20. Epileptic, 21. Undiagnosed, 22. Not insane,	Total,

Table 13.— Marital Condition of First Admissions classified with Reference to Principal Psychoses.

	Totals.	111111111111111111111111111111111111111	8
CER-		*	_
UNASCER- TAINED.	Females.		
	Males.		8
eg.	Totala.	1111111-1111111111111111111111111111111	3
Divorced	Females.	111111111111111111111111111111111111111	3
ŭ	Males.		1
ED.	.alstoT	H H	4
SEPARATED	Females.	H;H[4
SEP	Males.		t
۵	Totals.	1711-11101180041-11114	53
Widowed	Females.	102 14 114 118 188 14 11 118	28
Wn	Males.	1241111411101011111110	22
6	Totals.	1133 1133 1133 1133 1133 1133 1133 113	167
MARRIED	Females.	18488118814844	65
MA	Males.	12212211182112421112	102
	Totals.	142411182 112747 1471118	151
SINGLE	Females.	1 2 3 1 1 1 1 2 2 1 2 2 1 3 1 1 1 1 1 2 2 1 1 1 1	62
\[\vartial{\sigma}{\sigma}\]	Males.	12 4 1 1 1 2 1 2 1 2 1 2 1 8	68
	Totals.	33 277 177 177 111 111 116 92 92 92 93 93 93 93 94 95 95 95 95 96 97 97 97 97 97 97 97 97 97 97 97 97 97	381
Total.	Females.	1011131131101110	162
T	Males.	22 110 110 110 110 110 110 110 110 110 1	219
-			•
		ns,	•
		es,	•
		iseas noous oons,	
		ierosis, orea, rryous diseases, re exogenous toxins, seases, a, conditions,	
	Psycн oses.		
	тсн	or in di chi chi chi chi chi chi chi chi chi ch	
	Ps	Traumatic, Senile, With cerebra arteriosed General paralysis, With cerebra arteriosed General paralysis, With Charles and Charles of With Drain tumor, With Drain tumor, With other brain or net Alcoholic, Due to drugs and other With other somatic disk Manic-depressive, Involution melancholia Dementia præcox, Paranoia and paranoia Paychoneuroses, With mental defectency With constitutional psychiatics of the paralysis of the paralysis of the paranoia and Epileptic. Figulation of the paralysis of the constitutional psycholiagnosed, Not insane,	
		ic, para para para para para para para par	•
		Traumatic, Senile, With cerebra General paracel paracel paracel with the cerebra With Charles With Charles Due to drugs With pellagra With other Senila With other Senila With other Senila With other Senila With other Senila With other Senila With Charles With Charles With Charles With Charles With Charles With Charles With Charles With Charles Demental programmer of the Charles With mental With constitution With constitution With constitution Undergrossed Not insane.	Total,
		ith pulled and in the pulled a	\mathbf{T}_{0}

Table 14. — Psychoses of Readmissions.

1. Traumatic, 2. Senile, total, (a) Simple deterioration, (b) Presbyophrenic type, 3. With cerebral arteriosclerosis, 4. General paralysis, 5. With cerebral syphilis, 6. With Huntington's chorea, 7. With brain tumor, 8. With other brain or nervous diseases,		1 1		 1	1	_ 1	- 2
2. Senile, total, (a) Simple deterioration, (b) Presbyophrenic type, 3. With cerebral arteriosclerosis, 4. General paralysis, 5. With cerebral syphilis, 6. With Huntington's chorea, 7. With brain tumor, 8. With other brain or nervous diseases,		1	$\frac{1}{1}$		1	1	2
(b) Presbyophrenic type, 3. With cerebral arteriosclerosis, 4. General paralysis, 5. With cerebral syphilis, 6. With Huntington's chorea, 7. With brain tumor, 8. With other brain or nervous diseases,		1 :	1		1		
3. With cerebral arteriosclerosis, 4. General paralysis, 5. With cerebral syphilis, 6. With Huntington's chorea, 7. With brain tumor, 8. With other brain or nervous diseases,		: :	_	1 1			1
4. General paralysis, 5. With cerebral syphilis, 6. With Huntington's chorea, 7. With brain tumor, 8. With other brain or nervous diseases,	: :	: :					1
5. With cerebral syphilis, 6. With Huntington's chorea, 7. With brain tumor, 8. With other brain or nervous diseases,	: :				1	- 1	1
6. With Huntington's chorea, 7. With brain tumor, 8. With other brain or nervous diseases,	: :				1	1	2
7. With brain tumor,		1			-	-	-
8. With other brain or nervous diseases, .		1	. • •		- 1	-	-
					-	-	-
					-	_	1.7
9. Alcoholic, total,		1 : :	1		12	3	15
(b) Delirium tremens,		1		1	i i		
(c) Acute hallucinosis,		9		10			
(d) Acute paranoid type,		1	1	1	1		
(g) Chronic paranoid type,		1 -		1	}		1
(h) Alcoholic deterioration,		1	1				
(i) Pseudo-paresis,		1 -	_	1			
10. Due to drugs and other exogenous toxins,		• •		$[\cdot \ \cdot]$	-	-	_
11. With pellagra,		• •		[• •	-	4	7
12. With other somatic diseases, total,			i	1 :	-	4	4
(a) Delirium with infectious disease, .		-	1	1 1			
(b) Post-infectious psychoses,		_	1 1	1 1			
(e) Diseases of the ductless glands, .		1 -	1	i			
(g) Cancer,		-	-]	21	11	32
13. Manic-depressive, total,		12	5	17	21	11	32
(a) Manic type,		6		10			
(b) Depressive type,		i		10			
		2		4			
(e) Circular type,		_	_	*	1		1
					9	22	1 31
15. Dementia præcox, total,		l'i	11	12	1 3	24	91
(a) Paranoid type,		2		11			
(c) Hebephrenic type,		5	2	7			
(d) Simple type,		li		i			
16. Paranoia and paranoic conditions,		-		1	_	_	_
17. Psychoneuroses, total,		1		• •	1		1
(b) Psychasthenic type,		i		i		-	
18. With mental deficiency,		1 1		- 1	_	_	_
19. With constitutional psychopathic inferiority,		1			2	_	2
20. Epileptic,	,	1	1		ī	_	ĩ
(a) Deterioration.	•	l'i	1	i	1 1		
21. Undiagnosed,	•	1		1. 1	_	- 1	_
22. Not insane, total,	• •	1: :			2	2	4
(a) Epilepsy without psychosis,		l'i	· -	i	- 1	- 1	_
(c) Drug addiction without psychosis,		l î	_	ī	1		
(e) Mental deficiency without psychosis.		-	2	2			
(-,							
Total,		1	1		52	44	96

Table 15. — Discharges of Patients classified with Reference to Principal Psychoses and Condition of Discharge.

NSANE.	Females. Totals,	111111111111111111111111111111111111111	9 19
Nor Insane.	Males.	0.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	10
ED.	.elstoT	100001111=11000001411=11	4
UNIMPROVED.	Females.	1-04	20
UN	Males.	1	21
	Totala.	9004970 1000 1000 1000 11 1	112
Імевоубр	Females.	111101014111010111111	45
IM	Males.	11 11 11 11 11 11 11 11 11 11 11 11 11	29
D.	Totals.	11111111001100001111111111	7.5
RECOVERED.	Females.	1	30
RE	Males.		45
	.sletoT	64 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	247
TOTAL.	Females.	124 12 1 1 1 2 2 2 2 2	104
	Males.	11 25 25 27 28 29 29 20 10	143
			•
		ity,	
		s, s, coxins,	
Psychoses.		isease	
		scherosis, s. horea, tervous diseases, her exogenous toxins iseases, iia, iio conditions, oy, exodopathic inferior	
		sclerosis s. s. s. s. horea,	
		al ar rallysi and said said said said said said said sai	
		Traumatic, Semile, Sem	,
		Traumatic, Senile, With cerebi General pas Mith cerebi With cerebi With cerebi With brain With brain With brain With brain With brain With brain With other Alcoholic, Due to dru With other With other With other Dementia I broulution Dementia I brain and With constitution of the Paramoia as Psychoneu With constitution Undiagnose Undiagnose Not insance.	Total,
		1.98.4.6.6.2.9.0.1.98.4.4.6.0.8.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9	

Table 16. — Causes of Death of Patients classified with Reference to Principal Psychoses.

	R. R.	Totals.	111111111111111111111111111111111111111
	WITH BRAIN TUMOR.	Females.	
	T L	Males.	
ľ	8,NC	Totals.	1111111111111 1 11111
	WITH HUNTINGTON'S CHOREA.	Females.	1111111111111 1 111111
	HUNJ	Males.	11111111111111
ľ	н.:	Totals.	1411111111111 211111
	WITH CEREBRAL SYPHILIS.	Females.	101111111111111111111111111111111111111
	CEF	Males.	
138	יא ני	Totals.	111111111111111111111111111111111111111
Рѕтсноявя	GENERAL PARALYSIS	Females.	,111H11111111 1 1H111
Psv	GE	Males.	111111111111111111111111111111111111111
		Totals.	11311611111111 1 211111
	WITH CEREBRAL ARTERIO- SCLEROSIS.	Females.	111111111111111 311111
	CER AR' SCL)	Males.	IIIII HIIIIII I OIIIII
		Totals.	ileieiliilii a gilli
	SENILE.	Females.	11111111111111 = -11111
	. E	Males.	119191111111111 911111
	:	Totals.	1111111111111 1 11111
	TRAUMATIC.	Females.	11111111111111 1 1 1 1 1 1 1 1 1 1 1 1 1
	TRA	Males.	11111111111111 1 11111
		Totals.	828-11-8-18-11-19 1 4-18-11-1
	Total.	Females.	101-1101-11114 10
	Males.		212111111111111111111111111111111111111
			ti:
	Cause of Death.		Alcoholism, acute, Carcinoma of rectum, Carcinoma of rectum, Carcinoma of rectum, Carcinoma of rectum, Carcinoma of stomach, Epythelioma of uncertual Exophthalmic goiter, Inantiton, Pernicious anamia, Sarcoma of jaw, Thermic fever, Tuberculosis, general, Tuberculosis, general, Tuberculosis, general, Tuberculosis, general, Tuberculosis, general, Inductoral Merowa System, Cerebral hemorrhage, Carebrospinal ayphilis, Cenebral hemorrhage, Carebrospinal ayphilis, Concellor attain, Multiple selectoris, Status epilepticus,

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1 1 1	1111	ı	1 1	23
11-1	1 1 1 1 1	1	1 1	13
1111	1111	ı	1 1	10
170011	14-10	1	20 03	32
1 1	14-11	1	1	6
14-1	111161	ı	e	23
1111	11111	ı	Li	1
1111	11111	1	1.1	1
1111	11111	ı	1 1	i
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-1211		ı	1	20
1911	10110101	-	e	75
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y Sy tatio tis, tis,	y Sy nyser tho, statis	nal ,	ry S I nej nate	
Circulatory System. radiac dilatation, endocarditis, myocarditis,	Respiratory System, and emphysema, nia, broncho, nia, hypostatic, nia, lobar, ary œdema,	<i>itesti</i> itis,	<i>trina</i> titia chyr	
ircu, diac ndoc ndoc ener	espi: nd e ia, b ia, h ia, lc	<i>troin</i> nteri	nitou nters aren	
Car onice onic n deg	R a a mon mon mon mon onar	Gastrointestinal Sys nic enteritis,	Ge, nie p	Total,
Circulatory System Acute cardiac dilatation, Chronic endocarditis, . Chronic myocarditis, . Fatty degeneration of the	Respiratory System Asthma and emphysema, Preumonia, broncho, Penumonia, hypostatic, Preumonia, lobar, Preumonia, lobar, Pulmonary ædema,	Gastrointestinal Sys Chronic enteritis,	Genitourinary Syste Chronic interstitial nephri Chronic parenchymatous	H
,	10000	_		,

Table 16. — Causes of Death of Patients classified with Reference to Principal Psychoses. — Continued.

	 	Totale.	111111111111111111111111111111111111111
	DEMENTIA PRÆCOX.	Females.	Tillicites, ille 1 ellici
	DE	Males.	
	ON CIA.	.elstoT	THEFT HELDER
	INVOLUTION MELANCHOLIA	Females.	11111111111111
	. INV	Males.	113131111111111111111
	/E.	.slatoT	
	MANIC- DEPRESSIVE,	Females.	
	M DEP1	Males.	IIIIIII HELEITII IIIIIIII
	ER.	.alstoT	11101111-100 1 111111
	WITH OTHER SOMATIC DISEASES.	Females.	
Psychoses — Con.	WITE 80 DIS	Males.	Herrittelete i IIIII
OSES-	;	Totala,	111111111111111111111111111111111111111
вусн	WITH PELLAGRA.	Females.	
F	PEL	Males.	
	UGS UR US	Totals.	1111111111111 1 1111
	DUE TO DRUGS AND OTHER EXOGENOUS TOXINS.	Females.	1111111111111 1 1 1 1 1 1 1 1 1 1 1 1 1
	DUE 1 AND EXO TC	Males.	
	:	Totals.	011111111111111111111111111111111111111
	ALCOHOLIC.	Females.	11111111111111
	ALC	Males.	all
	ER US	Totals.	1114(I111111111 1 Helee1
	WITH OTHER BRAIN OR NERVOUS DISEASES.	Females.	TITLITITITITI I TETEET
	WITE B OR N	Males.	
			dicoholism, acute Jarcinoma of rectum, charlenan of rectum, charlenan of rectum, charlenan of stomach. Jarcinoma of uterus, charlenan of stomach. Eysipelas, charlenan of nose, charlenan of nose, charlenan of nose, charlenan of nose, charlenan of nose, charlenan of nose, charlenan of nose, charlenan of nose, charlenan of nose, charlenan of nose, charlenan of nose, cortificate, charlenan of nose, cortificate, charlenan of nose of nose, cortificate, charlenan of nose of nose, cortificate, charlenan of nose of nose, cortificate, charlenan of nose of
	ATH.		1368
	CAUSE OF DEATH.		Alcoholism, acute, Carainoma of rectum, Carainoma of rectum, Carainoma of rectum, Carainoma of stomach, Carainoma of uterus, Epithelioma of uterus, Erysipelas, Exophhalmic goiter, Inanition, Thermic fever, Chromic acute, Cerebra hemorrhage, Cerebra hemorrhage, Cerebra hemorrhage, Cerebra hemorrhage, Cerebra hemorrhage, Cerebra hemorrhage, Status selerosis, Status epilepticus,
	90		cute, cute, cute, cute, ston uter of no uter of no cute. Solid no cute. The cute of no cute of no cute. The cute of no cute of no cute of no cute. The cute of no cute
	CAUS		Gen and a solution of the control of
	Ů		General Disco Carcinoma of rectum, Carcinoma of rectum, Carcinoma of stomach
			Alcc Carr Carr Carr Carr Tub Unit Itab Cere Cere Cere Cere Cere Cere Cere Cer

1-1-	18-		1.1	25
111-			11	6
	1.1.1.1		1.1	9
1-11	11111			
1111	1111	1	1.1	2
1111	1111	1	1 1	1
1111	1111	1	1.1	1
1-11	141011	-	t i	10
1111	163 1	ı	1 1	2
1-11	1601601	-	1.1	8
→ (11	1111	ı	1	11
	11111	ı	1	8
1111	1111	ı	1 1	က
1111	11111	ı	1 1	-
1111	11111	ı	Li	_
1111	11111	ı	11	1
1111	1 1 1 1 1	1	1.1	_
1111	11111	ı	1.1	•
1111	1111	1	1 1	1
1111	1111	ı		7
1111	1111	1	1	1
1111	11111	ı	1 1	9
1111	11111	ı	111	4
1111	11111	ı	1 1	3
1111	11111	1	1-1	1
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Table 16. — Causes of Death of Patients classified with Reference to Principal Psychoses — Concluded.

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	WITH MENTAL DEFICIENCY.	Females.	111111111111111111111111111111111111111
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	ı vi	Totala.	111111111111111
	PSYCHO- NEUROSES.	Females,	11111111111111
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			Alcoholism, acute, Carcinoma of rectum, Carcinoma of stomach, Carcinoma of uterus, Carcinoma of uterus, Epithelioma of uterus, Epithelioma of orse, Expressed, Expres

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Circulatory System. Chronic endocarditis, Chronic myocarditis, Chronic myocarditis, Fatty degeneration of the heart,	Asthma and emphysema, Pneumonia, broncho, Pneumonia, prostatic, Pneumonia, lobar, Pneumonia, lobar,	Gastrointestinal System. Chronic enteritis,	Genicarrinary System. Chronic interstitial nephritis, Chronic parenchymatous nephritis,	Total,

Table 17. — Age of Patients at Time of Death classified with Reference to Principal Psychoses.

I I	ı	1 ·STPIOT	1 1 1 1 2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2	e
	5.	Totals.		2
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		Males.		
	ي ا	Totals.	[7
	35-40.	Females.		
		Males.	1110011111-11-11-11	7
	٠	Totals.	111011111111100111111111	7
	30-35.	Females.	1:111111110	က
		Males.	111011111111111111111111111111111111111	4
		Totals.	1111111111111111	20
YEARS.	25-30.	Females.	111111111111111111111111111111111111111	3
Κī	~	Males.	111111111111111111111111111111111111111	2
		Totals.	1111111111111	-
	20-25.	Females.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
	ন	Males.	11111111111111	1
		Totals.		1
	15-20.	Females.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
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			Traumatio, Senile, With oceleral arteriosclerosis, General paralysis, With cerebral stychilis, With Bunkington's chorea, With brain tumor, With brain tumor, With brain tumor, With other brain or nervous diseases, Alcoholic, Due to drugs and other exogenous toxins, With pellagra, With other somatic diseases, Mani-depresare, Involution melancholia, Dementia precox, Psychometroses, With mental deficiency, With mental deficiency With mental deficiency With mental deficiency With mental deficiency With mental deficiency With mental deficiency With mental deficiency Not insanc,	
			raumatic, filt cerebral arteriosclerosis, filt cerebral syptilis, filt cerebral syptilis, filt cerebral syptilis, filt humtington's chorea, filt humtington's chorea, filt of drugs and other exogenous toxins, filt other brain or nervous diseases, louchoid, but of drugs and other exogenous toxins, filt other somatic diseases, filt other somatic diseases, filt other somatic diseases, famo-depressive, famo-depressi	
			Traumatio, Senile, Senile, General paralysis, General paralysis, General paralysis, With cerebral syphilis, With hurington's chorea, With hurington's chorea, With other brain or nervous diseases, Alcoholie, Alcoholie, But to drugs and other exogenous to With pellagra, With other somatic diseases, Mani-depressive, Involution melancholia, Paranoia and paranoic conditions, Paranoia and paranoic conditions, Paranoia and paranoic conditions, With mental deficiency, With mental deficiency Undiagnosed, Undiagnosed,	.
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			Traumatic, Senile, With cerebral arteriosclerosis, General paralysis, General paralysis, With cerebral syphilis, With brain tumor, With brain tumor, With brain tumor, With other brain or nervous disea, Alcoholic, Due to drugs and other exogenous With pellagra, With other somatic diseases, Mano-depressave, Involution melancholia, Dementia precox, Psychoneuroses, With mental deficiency, With mental deficiency With constitutional psychopathic Epilophic, Undagnosed,	
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Table 17. — Age of Patients at Time of Death classified with Reference to Principal Psychoses — Concluded.

1)		Totals.	126)	25
	OVER 80.	Females.	10-111111111111111111111111	16
	OVE	Males.	1 1 1 1 1 1 1 1 1 1	6
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	70-75.	Females.	1111-1111111111111	8
	7	Males.	14-1111111111111111	2
		Totala.	1000-1111111-1-1111111	10
	65-70.	Females.	1:1::::::::::::::::::::::::::::::::::	2
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	ý	Males.	10111111111001111-1111	2
		Totals.	[0-0-1][0][0][-0][-1-1-1]	16
	55-60.	Females.	1111-111-1101-111111	5
	22	Males.	101-01 1 1 1 1 1 1 1 1 1	11
		Totala.	111111111	4
	50-55.	Females.	1111-111111-1-1-111111	65
	143	Males.	111-1111111111111111	-
		Totals.	11101110-11-1-111111	∞
	45-50.	Females.	111-1110111-11-1111111	2
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			1. Traumatic, 2. Semile, 3. Semile, 4. General paralysis, 4. General paralysis, 6. With cerebral syphilis, 6. With Funtington's chorea, 7. With Pain tumor, 7. With brain tumor, 9. Alcoholic, 10. Due to drugs and other exogen 11. With pellagra, 12. With other somatic diseases, 13. Manic-depressiv, 14. Involution melancholia, 15. Dementia precox, 16. Paranoia and paranoic conditic 17. Psychoneuroses, 18. With mental dénciency, 18. With constitutional psychopatic, 19. With constitutional psychopatic, 21. Undiagnosed, 22. Not insane,	
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Table 18. — Total Duration of Hospital Life of Patients Dying in Hospital classified According to Psychoses.

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Months Total:			Totals.	1200011011001001101111	24
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TOTAL. TOTAL.			Totals.	1410011111111111111111111111	16
TOTAL. TOTAL.		4-7.	Females.	110111111111111	8
TOTAL. TOTAL.	res.		Males.	44000	13
TOTAL. TOTAL.	Mon		Totals.	¹∞4∺	20
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TOTAL. TOTAL.			Males.	16	14
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PSYCHOSES. ral arteriosclerosis, ral stypsis, randon's chorea, tumor, brain or nervous diseases, brain or nervous diseases, somatic diseases, somatic diseases, somatic diseases, ressive,					٠
Psychoses. ral arterioselerosis, ralyphilis, ington's chorea, tumor, brain or nervous diseases, tyra, connatic diseases, ressive, melancholis, nor paraotic diseases, destive, al deficiency, titutional psychopathic inferiori ed,					
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Table 18. — Total Duration of Hospital Life of Patients Dying in Hospital classified According to Psychoses — Concluded.

	10-15. 15-20. 20-25.	Males. Females. Totals. Totals. Totals. Totals. Totals.	
Females.		Males. Females.	1811111111111111111111111

Table 19. — Family Care Department.

	Males.	Females.	Totals.
Remaining Oct. 1, 1916,	5	32	37
Committed within the year,	2	6	8
Whole number of cases within the year,	7	38	45
Dismissed within the year,	3	13	16
Returned to institution,	2	13	15
Discharged,	-	-	-
Escaped,	1	-	1
Remaining Sept. 30, 1917,	4	25	29
Supported by the State,	-	17	17
Private,	3 .	6	9
Self-supporting,	1	2	3
Number of different persons within the year,	7	3 6	43
Number of different persons admitted,	2	4	6
Number of different persons dismissed,	3	12	15
Daily average number,	3.43	28.55	31.98
State,	-	21.14	21.14
Private,	2.14	5.84	7.98
Self-supporting,	1.29	1.57	2.86

SIXTY-THIRD ANNUAL REPORT

of

THE TRUSTEES

OF THE

NORTHAMPTON STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1918

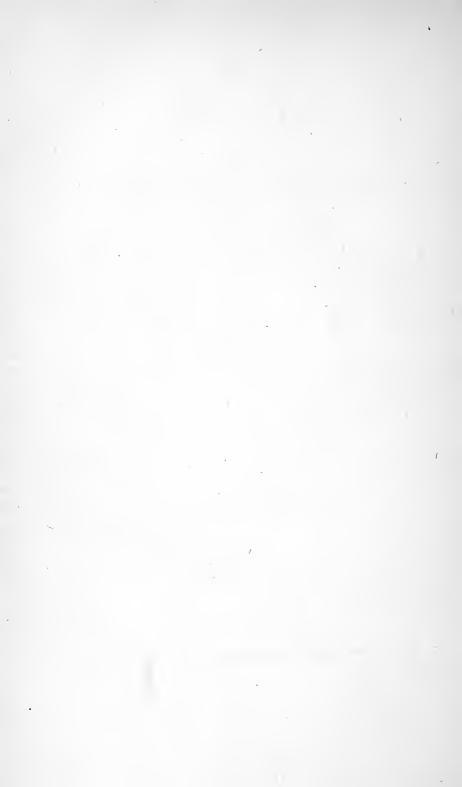


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NORTHAMPTON STATE HOSPITAL.

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 ,		. Assistant Physician.
		. Assistant Physician.
		, Assistant Physician.
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		and Social Service De-
		partments.

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P. W. STONE, D.D.S., ¹ .			at the hospital). Dentist.

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,	•	•	•	•	•	Therapy	-	Occupation
						Dimenton	of	Occupation
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Mr. R. OLIN ROBIE,						Farmer.		
MR. L. W. SINCLAIR,						Engineer.		

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	D. E. HARRIMAN, M.D.	•			Springfield.
	R. H. SEELYE, M.D.,				Springfield.
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The Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency Calvin Coolidge, Governor of the Commonwealth, and the Honorable Council.

The trustees of the Northampton State Hospital herewith present their annual report for the year ending Nov. 30, 1918.

The reports of the superintendent and of the treasurer, which accompany our report, show respectively the administrative and financial details for the year.

An appropriation of \$295,202.03 was made for the maintenance of 980 patients, which amount was later augmented by the sum of \$16,278.11 appropriated and expended for the special purpose of purchasing an adequate supply of coal while the uncertainties of war and of peace were still existent. The daily average number of patients actually maintained was 985.18 at an expenditure of \$306,491.33 for the year. An unexpended balance of \$4,988.81 reverted to the State treasury.

Our receipts during the year were as follows: from board of patients, \$57,586.75; from sales, \$2,184.09; from miscellaneous sources, \$1,008.18; making a total of \$60,779.02.

Deducting the receipts from the expenditures leaves \$245,-712.31, the cost to the State of maintenance for the year, equivalent to a net weekly per capita cost of \$4.79.

In order to live within the maintenance appropriations it has been necessary to economize more than was wise or advisable in certain directions, especially in the making of repairs. Temporary savings may be made more easily on repairs than on other divisions of our budget, because repairs can be put off for a time, even though ultimately they cost more than if attended to when first needed, but food and coal must be purchased when

needed, salaries must be paid, and medical care of the patients must be maintained to as excellent a degree as possible.

We have practiced all the arts of food conservation that have been suggested, and patients and employees have co-operated cheerfully in the saving. Early in the year the Commission on Mental Diseases put into effect a rationing of food that has resulted in a substantial economy, though we have at times wished it were a little more liberal, considering how large a proportion of private patients we have, and how many invalids we have requiring a special dietary. Satisfaction with the dietary contributes more to the comfort of the insane, as with the sane, than almost anything else, thus promoting prospects of improvement and recovery.

The daily ration established was as follows, the allowance for four and a half patients including the ration also for one employee: flour, 9.5 ounces; other farinaceous food, 3.2 ounces; meats and fish, 10.13 ounces; butter, 1.37 ounces; cheese, .3 ounce; coffee, .44 ounce; tea, .12 ounce; milk, 1.04 pints; $\frac{1}{2}$ egg; sugar, 1.9 ounces; potatoes, 9.5 ounces; fruit, 1 cent.

We have been requested by the Commission on Mental Diseases to make estimates for the maintenance of 990 patients the coming year. This number is smaller than the number of patients we are now caring for, and does not seem a fair number to base our estimates upon unless the Commission can keep our numbers within the limit stated by the removal of some of our patients to other hospitals. In each year for many years the number maintained at our hospital has been larger than the number on which the estimates were based. The number of patients cared for has steadily increased, consequently an unwise economy has been demanded in order to enable us to live within the amounts appropriated. Another seeming injustice has resulted from the underestimating of the number of patients to be cared for; that is, year after year, in addition to maintaining an excessive number of patients, it has been necessary to purchase the equipment for them — beds and bedding, furniture, furnishings and the like — from the maintenance appropriations.

Special appropriations were made by the Legislature in May for the following purposes: the sum of \$108,000 for the erection of two nurses' homes, each to accommodate 63 nurses; and the

sum of \$5,000 for the purchase of a piece of land with the buildings thereon.

Plans for the nurses' homes, drawn by Kendall, Taylor & Co. of Boston, were accepted, and the contract for building them was awarded to M. I. O'Connor of Northampton. There has been considerable difficulty in obtaining building materials due to stringencies caused by the war, but at the time of writing this report the work is well under way. The walls of the building for the men are finished, and the building is roofed over; the foundations for the other building are completed, and the walls have been built up to the first floor. It is expected that the buildings will be ready for occupancy by early summer.

Negotiations for the purchase of the so-called Stack property are nearly completed, awaiting some technical detail by the Attorney-General.

A condition of overcrowding in our institution continues in spite of efforts of the Commission on Mental Diseases to relieve it by removing patients to other institutions. Since the last building for the accommodation of patients was erected in 1905 at our hospital there have been transferred more than 1.000 patients, and there are now in the institutions of the State about 1,600 patients whose places of residence are in our district. This matter, which should be considered serious enough to call for remedial action of some sort, repeatedly has been called to the attention of the Legislatures of the past ten or twelve years, yet seemingly no attention has been paid to these representations in our annual reports. It is doubtful if these reports are read by many of the legislators, and doubtless not a dozen members of the Legislature in any one year are conversant with conditions throughout the State as to the number of the insane to be cared for, the annual increase in their numbers, and what are the existing accommodations for their care. Meanwhile appropriations are being made year after year for new buildings at institutions outside our district which are filled with patients sent from our hospital. Reference to our reports of last year and of previous years may be made by any one interested to know what policies have been suggested and what provisions for the insane of our district have been recommended.

In this connection we again express the hope that a hospital may soon be established near the center of our district for the examination, observation and treatment of a large number of mental and nervous cases that thus might be cared for without being committed to a State hospital. One of the first acts of the present Commission on Mental Diseases was to secure the approval by the Legislature of this purpose, though without the quite necessary appropriation to go on with its fulfillment.

The functions and purpose of such a hospital might follow the course of the so-called psychopathic hospitals, — a term already falling somewhat into public disfavor, but which in our opinion should have a broader scope. It should be more than a clearing house. It would not suffer in repute or in usefulness if with the science in use there should be a judicious admixture of the humanities. Persons under treatment should be patients, not cases. Interest in them should not cease as soon as tests of the blood and spinal fluid have been made and a sort of diagnosis arrived at.

One of the important matters of administration to which our attention has been directed frequently by the superintendent has been the extreme shortage of help throughout the year in every department of the hospital. It has been possible to "carry on," to keep the plant going, to maintain custody of the patients and their routine and necessary medical care, but some of our activities to make of the institution a hospital in the true sense of the word have been abridged because of the exigencies of war. What success we have had has been due largely to the loyalty of a small and faithful corps of employees, most of whom, and especially the nursing force, have been employed overtime. With the coming of peace this situation will soon be relieved, but to be completely remedied it should not be lost sight of that the Commonwealth of Massachusetts ought to be able to select its employees from a list of desirable applicants, instead of making selection from applicants who, failing to find employment elsewhere, come to us as a last resort. Positions naturally unattractive should be made desirable by means of satisfactory standardizations of hours and wages, and by pleasant and cheerful living accommodations.

It is with great sorrow we record the loss to our Board of two of its members by death, — Mr. Charles S. Shattuck and Mr. Henry L. Williams. Mr. Shattuck had been a member since 1903, and one of the most regular of our Board in attendance at the meetings. He took great pride in the institution, and gave freely of his time to its interests. Mr. Williams was also a long-time member, having been appointed in 1906. Living nearer the hospital than the other members he was called upon to consider questions of administration and of financial detail to a greater degree than any other member of our Board. His services, because of his business experience and ability, were of great benefit to the institution. The following resolutions, passed at our regular meetings, express our great appreciation of these former associates:—

APRIL 4, 1918.

Whereas, Death removed, on the 5th of February, Maj. Charles S. Shattuck, after a long, active and honorable life filled with varied activities as a brave soldier in the civil war, a successful business man and a public-spirited citizen, we, his associates on the Board of Trustees of the Northampton State Hospital, wish to express our sincere appreciation of his fine and manly qualities and our regret at his loss.

Resolved, therefore, That by the death of Maj. Charles S. Shattuck, we, the trustees of the Northampton State Hospital, feel that we have lost a kindly, genial coworker. His constant interest in the affairs of the hospital throughout his long term of office for fifteen years was shown by a remarkable regularity of attendance at trustee meetings, and by assistance whenever it might be needed. His unfailing friendliness, social ease and sound common sense gave constant help and pleasure to our work.

Resolved, also, That this expression of our sentiments be entered in the minutes of the Board of Trustees, and a copy sent to the family of Major Shattuck.

May 2, 1918.

The trustees of the Northampton State Hospital desire at this time to place on record their deep appreciation of the great loss sustained by this Board in the death of its late chairman, Col. Henry L. Williams of this city.

As citizens of the Commonwealth of Massachusetts we recognize the many and varied forms of service which Colonel Williams as a patriotic citizen rendered to the Nation, the State and this community.

As trustees of the Northampton State Hospital we desire to record our

very high appreciation of his clear insight, wise judgment and sympathetic understanding of matters pertaining to its affairs, and our regret at the great loss sustained by the hospital in his removal.

We desire, also, to give expression to our own deep sense of personal loss in his going, beyond the measure of formal expression, and to extend to his wife our most profound sympathy.

Mr. Harry L. Howard of Hatfield, in March, and Mr. E. C. Gere of Northampton, in June, were appointed to fill the unexpired terms, respectively, of Mr. Shattuck and of Mr. Williams.

Several changes have taken place on our medical staff. In April Dr. Arthur N. Ball was given leave of absence in order to enlist in the Federal service. He was commissioned lieutenant, and later was promoted to be captain. His going left two vacancies in the male service, one having existed from the beginning of the year, and, there being too much work for one physician, Dr. Harriet Whitney has given a large part of her time to the male service.

Dr. Eliza Kilpatrick left us November 1, after a service of two years, to accept a position on the staff of the Nova Scotia Hospital for the Insane, in Halifax, the inducements leading to the appointment being greater than we were allowed to offer to retain her services. The Commonwealth of Massachusetts ought to be able to pay as much to retain its faithful employees whom it has been training as other communities can offer to entice them away. Dr. Kilpatrick was capable and efficient, and well liked by her patients and by her associates.

Dr. Philip W. Stone was given leave of absence to enlist, having been commissioned lieutenant, and he left September 4.

The superintendent and physicians on the staff who were debarred from the privilege of enlisting gave freely of their time as members of the advisory boards at Northampton, Holyoke, Westfield, Greenfield and North Adams.

As a Board we have met regularly for the purpose of approving accounts, for visiting the patients, for making inspection of the institution, for discussion of policies and for making plans for the future. On account of extra duties at home and in our private business because of the war, the long illness of two of our members, and service on an exemption board of one mem-

ber, there has not been as full an attendance as usual. We have found things going well in spite of great handicaps, and we commend those of our employees who have faithfully remained in our service.

CAROLINE A. YALE.
LUKE CORCORAN, M.D.
JOHN McQUAID.
EDWARD C. GERE.
HARRY L. HOWARD.
JOSEPH W. STEVENS.
EMILY N. NEWTON.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

The superintendent's report of the affairs and management of the hospital for the year ending Nov. 30, 1918, is herewith respectfully submitted.

The statistical tables accompanying this report are for the year ending Sept. 30, 1918. The forms of these tables, used by us for the first time in the report for 1917, have been adopted this year quite universally by the hospitals for the care of the insane throughout the country. They were recommended by the American Medico-Psychological Association, for the sake of uniformity in reporting statistics concerning insanity, thus facilitating study and comparison.

The movement of population has been as follows: 407 patients were admitted during the year, making, with the 978 who were under care at the beginning of the year, a total number of 1,385 under treatment. Besides these there were 129 patients carried on our books who were out on visit with the privilege of returning to the hospital if necessary, and 11 who had escaped within the past few years and who had not been discharged from our records. These numbers make the total of 1,526 carried on our books as shown in the statistical tables.

The daily average number under treatment was 979 in the institution and 24 in family care, a total of 1,003.

Of the 407 patients admitted 319 never had been in any hospital for the insane before coming here; 88 had been in this hospital or some other previously. Thirty-eight per cent of these were of foreign birth and 60 per cent of them were of foreign parentage. The races of the foreign born were as follows: Irish, 59; Slavonic, 31; French, including Canadian French, 27; English, including Canadian English, 17; German, 12; Scotch, 10; Hebrew, 8; Italian, 7; Magyar, 2; Scandinavian, 2; and 1 each Armenian, Dutch, Lithuanian, Syrian and Welsh.

The average age on admission was fifty years and four months. There were 41 between seventy and eighty years of age, and 12 who were over eighty years.

About 70 per cent had on admission some one of the forms of mental disease generally conceded to be unfavorable for recovery. Of these there were 121 cases of dementia præcox, 41 of cerebral arteriosclerosis, 33 of senile psychoses, 30 of general paresis and other syphilitic psychoses, and 4 of psychoses due to structural brain disease.

There were 94 of the types of mental disease from which recoveries may be looked for, 66 cases of manic-depressive psychoses, 18 of psychoses with somatic diseases, and 10 of psychoneuroses.

There were 41 cases of psychoses due to the use of alcohol, a marked decrease in the number admitted from this cause as compared with previous years, especially of delirium tremens and of acute alcoholic hallucinosis.

Two cases of pellagra were admitted, besides one case suspected of being pellagra but not yet with definite enough symptoms for positive diagnosis.

Fifteen of the cases were admitted on voluntary application. One hundred and eighteen were admitted on temporary care papers.

The total number dismissed, 357, included 101 who were out on visit at the beginning of the year, and whose period of probation expired within the year. Of these, 168 were discharged, 64 as recovered, 63 as improved, 32 as unimproved, and 9 as not insane (alcoholic and epileptic cases without psychoses, voluntary sane, and one malingerer, wife of one of our patients who preferred to be here rather than in jail to which place she had been sentenced); 43 were transferred by the Commission on Mental Diseases, 1 to Taunton State Hospital, 1 to Monson State Hospital, 1 to Westborough State Hospital, 18 to Gardner State Colony, and 22 to Grafton State Hospital; and 146 died.

One hundred and thirty-four were at home on trial visit at the end of the year.

The principal causes of death were cerebral hemorrhage and cerebral arteriosclerosis, 49; general paresis, 23; pulmonary tuberculosis, 11; chronic myocarditis, 7; chronic nephritis, 7; cerebrospinal syphilis, 4; pellagra, 3.

As noted above there were transferred to other institutions during the year, by the Commission on Mental Diseases, 43 patients, making the total number 1,034 so transferred in the past twelve years, and as this report is being written 60 more are being selected for transfer. The removal of these patients is necessary in order to leave room for the proper care of the more recent cases and of those more likely to recover, for recovery is not promoted by association with turbulent and demented patients in crowded quarters. The need of room is the only justification for such transferring of patients, and reasons are many why this procedure is undesirable, — the removal of the patients so transferred leaves in our institution a disproportion of the aged, the feeble and the troublesome; it is always a source of sorrow and apprehension, temporary at least, to the patients who are transferred and to their relatives; and much inconvenience as well as expense is entailed in visiting them in the institution to which they have been transferred.

Attention has been called repeatedly to the unwisdom if not the injustice of removing these patients so far from their homes. They ought to be cared for in their own district within reasonable distance from home.

Medical care of the patients has been maintained, though little except routine work has been possible because of the few numbers on our medical staff. Leave of absence was granted to Dr. Ball, who enlisted in the Federal service early in the year, being commissioned lieutenant, and later captain. One other vacancy has existed in the male service, and part of the time there have been two vacancies in the female service. Harriet Whitney has had to curtail her work in the out-patient and social service departments in order to assist in the ward work on the male service. The superintendent and the two assistant physicians in the male service have given much time to the examination of men drafted for the army, having been appointed to the medical advisory boards in Northampton, Holyoke, Westfield, Greenfield and North Adams. Antityphoid vaccinations and routine tests for syphilis have been done as Clinics have been held as heretofore at Springfield, Greenfield and Pittsfield. It has been possible, though under adverse conditions, to continue the lectures to the pupil nurses

in our training school. This year a course of lectures on mental disorders was also given to the senior class of nurses at the Cooley Dickinson Hospital. During the months of July and August it was a pleasing duty of our staff to conduct a series of clinical demonstrations to a class of about sixty students who were attending the training school of psychiatric social work at Smith College. The enthusiasm shown and the interest were deeper even than is found in a class of medical students, who are apt to find ours a rather dry subject; and it was not easy to judge which were the more pleased, the students or our staff or those of our patients who posed for the demonstrations.

Dr. Stone, our dentist, was given leave of absence to enlist in September, being commissioned lieutenant. Routine dental work was interrupted by his leaving us, such work as was immediately needed being referred to dentists in Northampton. During the period he was on duty he treated the following cases: 143 silver fillings, 62 cement fillings, 63 enamel fillings, 631 extractions, 203 cleanings, 10 plates repaired, 9 new sets made, 3 bridges put in, 3 crowns made, and 12 cases of pyorrhæa.

Our experience of seven years in social service and outpatient work has demonstrated the value of this work and a recognition by the public of its usefulness. To meet the increasing demands an additional social service worker will be required this coming year. Shortage of help on our medical staff has made it necessary to keep our assistant, who has had charge of this work, at the hospital a considerable part of the time to assist in the routine ward work; consequently fewer visits were made this year than usual. Clinics were held regularly at the Franklin County Hospital, Greenfield, at the Springfield Hospital and at the House of Mercy, Pittsfield, the latter especially being well attended at each session, requiring the services of two of our staff during the appointed hours. The probable reason for this is that some who live within reasonable distance of the hospital at Northampton prefer to come direct to the hospital rather than to wait for clinic day at Greenfield and Springfield, but the hospital is not so accessible to residents of Berkshire County.

One hundred and two came to the clinics for consultations,

145 patients who were out on visit came to report, and the relatives of 145 patients in the hospital came to inquire about them.

War conditions have affected unfavorably the family care activities. Fewer families wish to take patients because of increased living costs. Unless the prices of foodstuffs and of fuel are lower the rate of board for family care must be increased.

Routine investigations have been made, as formerly, of home conditions of patients whose discharge is being considered, and after-care supervision has been continued.

An important opportunity for assistance, of which advantage is often taken, falls to our social worker, who is a physician, which is not in the line of work of the non-medical social worker; that is, medical consultation with the family physicians in mental and nervous cases, and examination of persons sent by judges and brought by agents of charitable organizations.

Work in the training school was carried on under extreme difficulties. The average number of nurses throughout the year was barely 50 per cent of our quota; consequently class work, lectures and demonstrations were irregularly attended, or frequently postponed in order that necessary ward work might be done.

Changes in the personnel of the nursing staff were frequent, and applications for admission to the classes were few because of conditions in the labor market elsewhere. Only 14 pupils entered the junior class, and but 4 of these remained at the end of the year. Three pupil nurses completed the senior class work for 1918, and 3 are now completing their affiliating course at Bellevue Hospital. Miss Lillian Fairbanks returned from Bellevue Hospital and was graduated on Oct. 24, 1918, the event being pleasantly honored by a reception with dancing in the evening. She immediately left our service to enter the Army Nursing Corps, and was stationed at Camp Merritt, N. J. An attendant's course was given to 20, of whom 10 passed the required examinations.

At times there were so few nurses and attendants in service that patients were delegated to take charge of certain wards, which they did well, to their own great pleasure and to the general satisfaction of the other patients. In several instances patients were dismissed from our books as patients, and were at once placed on the pay roll, the change working out acceptably to every one concerned.

The dry season in midsummer was rather unfavorable for our crops. Corn, hay and potatoes yielded well, but other crops were below the normal average. Garden crops especially suffered from the drought. It is estimated that the total yield of crops was about 85 per cent of the normal average. However, we produce all the milk we use, all the pork and much of the beef, and it probably will not be necessary to purchase any vegetables for the coming year.

The value of our farm products at the market rates furnished by the Commission on Mental Diseases was \$68,485.40.

In a large institution like ours many alterations and repairs are necessary, and the year just ended has not been exceptional in this respect. Some of the more important items are mentioned here as a matter of record for future reference. ment of our heating system with vacuum apparatus was completed and has proven very efficient; heating coils have been placed in flues leading to patients' rooms on the third halls in the department for women, and in the dining rooms of the second halls in the department for men. Installation of an electric call system, whereby officers and heads of departments may be summoned quickly to the nearest telephone, was begun but not completed owing to shortage of help. Additions were made to our equipment as follows: a clarifier of a capacity of 1,000 pounds of milk an hour and a pasteurizer of 300 gallons of milk an hour; a motor-driven air pump for the pipe organ in chapel; an oil separator on the exhaust line from engines and pumps; and a series of tanks for saving oil formerly going to the sewer. Steam pipes were covered and double windows were put on in various places to conserve heat. Two of the cottages occupied by employees were wired for electric lighting; in one cottage a new tin roof was laid, and a furnace and radiators were put in the cottage occupied by the head farmer.

Employment, as often stated, is one of the most important of therapeutic measures. Many patients, as usual, and as set forth in previous reports at some length, have been kept busy on the wards, at the shops, on the farm, in the gardens, at the

barns and in the industrial rooms. Women patients have enjoyed working in the gardens picking berries, peas, beans and small fruits, weeding onions and husking corn. Some of them, as in former years, have had garden plots to cultivate, using the products raised for themselves and their associates, to their great pleasure and satisfaction. Under the direction of our employees patients have done excavating and grading for the new nurses' homes, and have done the cement work in connection with the tunnel leading to the nurses' home for men.

Like all the other activities the teaching of industries has suffered from the shortage of help. Our three teachers left us to engage in work for the government, and since the middle of November we have had but one teacher to carry on the work. but as shown by her report considerable has been done the past year, and the thread of work was not broken.

The male patients have largely directed their activities to the making of baskets, weaving, upholstering and the like. They have made all the mattresses, tinware, and brooms used by the hospital, and have repaired shoes and furniture.

A list of articles made by the women is as follows: crocheting and knitting, 462 pieces, - sweaters, caps, wristers, slippers, mittens, scarfs, wash cloths, socks, gloves, helmets; 162 rugs, including woven, hooked, braid weave, braided, tied; weaving, 31 pieces, - mats, hatbands, table runners, bedspread, table cover, knitting bag, tapestry, blankets; toweling, woven, $214\frac{1}{2}$ yards; towels, hemmed, 1,998; 75 baskets of reed and raffia; string work, 10 pieces, - bags, laundry bags, belt; 5 pieces of embroidery; toys, 37, — flower sticks, door stops, toy monkeys, toy parrots, toy cabinet; pottery, 11 pieces, - vases, lamp base, tiles, flower bowl. In addition to these, 757 pieces, including sweaters, socks, wristlets, helmets and scarfs, were knitted for the Red Cross.

Our matron formed a patriotic class of patients and employees who met one evening each week to do Red Cross work. list of articles made was as follows: 36 sheets, 150 pillow cases, 50 hospital shirts, 102 pairs of pajamas, 24 pairs of men's undergarments, 24 pairs of boys' undergarments, 2 suits for little boys, 4 children's nightgowns, 6 children's petticoats, 4 skirts, 20 chemises, 12 convalescent robes, 10 infants' caps, 3 infants'

jackets, 35 sweaters, 228 pairs of socks, 29 pairs of wristlets, 31 helmets, 2 pairs of gloves, 14 mufflers.

Our matron also organized a drive for Red Cross membership, as a result of which our flag bears 97 small crosses indicating membership.

Recreation plays closely a second part to employment as a means of treatment, and we always have made use of it in a large measure. The weekly gatherings of patients for moving pictures have been held except during the long days of summer, and the dances every week, from Thanksgiving to warm weather in May. Besides these the following entertainments were held: a concert by Mr. A. L. Norris; stereopticon lecture by Mr. Holden; entertainments by Mrs. Helen Bristol, Mr. Taggert and Mr. Richards; a masquerade ball on Washington's Birthday. On Thanksgiving and Christmas days special dinners were given to all patients. On Christmas there was a tree illuminated with colored lights in the chapel, and exercises were held appropriate to the occasion, accompanied by distribution of presents to every one, while smaller trees were put up on the wards where patients were ill in bed and unable to attend the exercises in chapel.

There were field sports on July 4 with prizes to winners of events, and in the evening a band concert on the lawn. Hallow-e'en was properly celebrated by appropriate games in the assembly hall.

Religious services have been held regularly each week, the Catholic clergyman officiating in the morning, and the Protestant clergyman at the afternoon services. Clergymen have responded frequently during the week, attending the seriously ill patients, and administering last rites to the dying.

We are pleased to record our thankful appreciation to the following persons for their thoughtful remembrance of our patients during the year: Mrs. Crossin of Pittsfield frequently sent reading matter, and at Christmas time gifts to be put on the Christmas tree. Miss Kendall of Easthampton and Miss Eastman of South Hadley gave books and magazines for the library, which were very acceptable. Miss Plimpton of Florence sent flowers. Bridgman & Lyman and Mrs. King of Northampton sent magazines. Money to be used for the indigent patients at

Christmas was sent by Mrs. Frederick E. Coward, Mrs. J. Allan Dunn, Mr. William Graham, Mr. Francis J. Harrington, Miss Annie G. McIntee, Mrs. Newton of Holyoke, Mrs. Parker of Northampton and Mr. Louis Zoll. A box of oranges was given by a friend and a pail of candy by Mr. John J. Sullivan of North Adams. An unknown giver with a kind heart presented a wheel chair for the use of one of our patients as long as he should need it, and to be used thereafter by any one needing it.

We also express our appreciation to the publishers of the following periodicals for regular issues of their journals: "Christian Register," "Christian Science Monitor," "Our Dumb Animals," "Healthy Home Quarterly," "Greenfield Recorder" and "New League Journal." Newspapers from home towns are eagerly read by patients, and such gifts to the hospital are very acceptable.

J. A. HOUSTON,
Superintendent.

VALUATION.

Nov. 30, 1918.

				ReA	AL E	STAT	E.	•			
Land (501 ac	res),									\$120,487	50 °
Buildings, .		•	٠		•	•			•	830,291	93
										\$950,779	43
			$\mathbf{P}\mathbf{E}$	RSON	IAL I	PROP	ERTY				
Travel,										\$3,455	60°
Food,										9,728	81
Clothing, .										5,742	61
Furnishings,										157,322	16
Medical, .										3,342	
Heat,										17,509	06
Farm and sta	ble,									48,052	90
Grounds, .										3,423	
Repairs, .			•			•	•	•		16,743	21
										\$265,320	07
				S	UMMA	RY.					
Real estate, .										\$950,779	43
Personal prop	erty,			•	•	•			•	265,320	07
										\$1,216,099	50 ₀

TREASURER'S REPORT.

To the Trustees of the Northampton State Hospital.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1918:—

Receipts		CASH AC	COUNT	г.			-	
Institution Receipts. Board of inmates: —	Balance Dec. 1, 1917, .						\$3,247 36	5
Institution Receipts. Board of inmates: —		,						
Board of inmates: — Private, \$40,448 22 Reimbursements, insane, 17,138 53 Sales: — Travel, transportation and office expenses, \$46 52 Food, \$363 53 Clothing and materials, 322 15 Furnishings and household supplies, \$164 34 Heat, light and power, 179 40 Farm and stable: — Cows and calves, \$427 00 Pigs and hogs, 109 00 Bran sacks, 28 70 ————————————————————————————————————		Recei	pts.					
Private,	Institution Receipts.							
Private,	Board of inmates:							
Sales: —	Private	. \$4	0,448	22				
Sales: — Travel, transportation and office	· ·		•					
Travel, transportation and office					\$57,586	75		
Second S	Sales:							
Food,	Travel, transportation and offi-	ce						
Clothing and materials,	expenses,		\$46	52				
Furnishings and household supplies,	Food,		363	53			,	
plies,	Clothing and materials, .		322	15				
Heat, light and power,	Furnishings and household su	p-					•	
Farm and stable: — Cows and calves, \$427 00 Pigs and hogs, 109 00 Bran sacks, 28 70 ————————————————————————————————————	plies,		164	34				
Cows and calves, \$427 00 Pigs and hogs, 109 00 Bran sacks, 28 70	Heat, light and power, .		179	40				
Pigs and hogs, 109 00 Bran sacks, 28 70 — 564 70 Repairs, ordinary, 543 45 — 2,184 09 Miscellaneous receipts: — Interest on bank balances, \$192 81 Medical and general care, 65 77 Rent, . Spard of retirement, 59 16 Industries, . 338 52 1,008 18 Receipts from Treasury of Commonwealth. Maintenance appropriations: — Balance of 1917, . Advance money (amount on hand November 30), 5,000 00 Approved schedules of 1918, . 288,646 93 — 311,306 45	Farm and stable:							
Bran sacks,	Cows and calves, \$427 (00						
Second State	Pigs and hogs, . 109 (. 00						
Repairs, ordinary,	Bran sacks, . 28 7	70						
Miscellaneous receipts: — Interest on bank balances, \$192 81 Medical and general care, 65 77 Rent,			564	70				
Miscellaneous receipts: — Interest on bank balances, \$192 81 Medical and general care, 65 77 Rent, 351 92 Board of retirement, 59 16 Industries, 338 52 Receipts from Treasury of Commonwealth. Maintenance appropriations: — Balance of 1917, \$17,659 52 Advance money (amount on hand November 30), 5,000 00 Approved schedules of 1918, \$288,646 93 ———————————————————————————————————	Repairs, ordinary,		543	45				
Interest on bank balances, \$192 81 Medical and general care, 65 77 Rent, 351 92 Board of retirement, 59 16 Industries, 338 52					2,184	09		
Medical and general care, 65 77 Rent, 351 92 Board of retirement, 59 16 Industries, 338 52 1,008 18 60,779 02 Receipts from Treasury of Commonwealth. Maintenance appropriations:— Balance of 1917, \$17,659 52 Advance money (amount on hand November 30), 5,000 00 Approved schedules of 1918, 288,646 93 — 311,306 45	Miscellaneous receipts:							
Rent,	Interest on bank balances,		\$192	81		•		
Board of retirement,	Medical and general care,		65	77				
Industries,	Rent,	٠.	351	92	-			
1,008 18	Board of retirement, .		59	16				
## Receipts from Treasury of Commonwealth. Maintenance appropriations: — Balance of 1917,	Industries,		338	52				
Receipts from Treasury of Commonwealth. Maintenance appropriations:— \$17,659 52 Balance of 1917,					1,008	18		
Maintenance appropriations: — \$17,659 52 Balance of 1917,							60,779 02	;
Balance of 1917,	Receipts from Treasury of C	lommonwed	alth.					
Advance money (amount on hand November 30), 5,000 00 Approved schedules of 1918, 288,646 93	Maintenance appropriations: -							
Approved schedules of 1918,	Balance of 1917,				\$17,659	52		
311,306 45	Advance money (amount on ha	and Noven	aber 3	0),	5,000	00		
·	Approved schedules of 1918,			٠.	288,646	93		
Special appropriations,		•					311,306 45	į
	Special appropriations, .						15,071 45	,
· ————						-		-
Total,	Total,			•			\$390,404 28	3

Payments.

To treasury of Commonwealth, i	instit	ution	recei	pts,			\$60,779	02
Maintenance appropriations: —								
Balance November schedule, 1	017				\$20,906	00		
Eleven months' schedules, 191			•	•	288,646			
November advances		•	•	•	382			
November advances, .	•	•	•	•	302	04	309,935	09
Special appropriations, approved	l coh	adula					15,071	
opeciai appropriations, approved	. 5011	caaro	٠, .	•		•	10,011	10
					_			
Balance Nov. 30, 1918: —								
In bank,	•				\$2,630			
In office,	•			•	1,987	95		
							4,617	98
m						•		
Total,	•	•	•	•		٠.	\$390,404	28
	MA	INTE	NANCE	ı.				
Appropriation, current year,							\$311,480	14
Expenses (as analyzed below),							306,491	
- 1 , ,							,	
Balance reverting to treasur	ry of	Com	monw	ealth,			\$4,988	81
	nalys	sis of	Exper	nses.				
Salaries, wages: —								
John A. Houston, superintend		•	•		\$4,124			•
General administration, .			•	•	35,893			
Medical service,	٠		•	•	6,706			
Ward service (male), . Ward service (female), .	•		•	٠.	.18,311			
	٠	•	•	•	19,404			
Repairs,	•	•	•	•	7,500			
Farm and stable,	•	• '	•	•	12,756			
Grounds,	•	•	•		2,271	52		
							\$106,970	41
Religious instruction:								
Catholic,					\$606	00		
Protestant				·	636			
,, , , ,	•	•	•	•			1,242	10
							ı -,	
Travel, transportation and office			: —					
Advertising,			. •	•	\$184			
Automobiles,	. •			•	1,860			
Automobile repairs and suppl	ies,		•	•		17		
Postage,	•		• •	•	455			
Printing and binding, .	•	•	•	•	412			
Stationery and office supplies		•	•	•	872			
Telephone and telegraph,		•	•	•	776			
Travel,	•	•	• •	•	637			
reignt,	•	•	•	, •	292			
Premium on bond,	•	•	•	•	20	00		00
							5,597	22
Amount carried forward,							\$113,809	73

[Dec.

Amount brought forward	l, .							\$113,809	73
Food: —									
Butter,						\$4,250	98		
Butterine,			•	•	•	5,672			
Bacus	•		•	٠	•	1,180			
Beans,	•	•	•	•	• .	329			
Grand come	•	•	•	•	•	11			
Canned soups,		•	•	•	•	2,240			
Cereals, rice, meal, etc., .	•	•	•	•	•	•			
Cheese,	•	,	•	•		2,048			
Eggs,	•	,	•	•	•	8,718			
					•	10,181			
Fish (fresh, cured and can				. •	•	4,015			,
Fruit (fresh),		•			•	1,479			,
Fruit (dried and preserved		•	•	•	•	1,588			
Lard and substitutes, .					•	1,473			
Macaroni and spaghetti,						, 347			
Macaroni and spaghetti, Meats,						13,088			
Milk (fresh and substitute	es), .					301	52		
Molasses and syrups, .						1,136	90		
Peanut butter, pie filling,	etc.,					17	78		
Potatoes,						58	50		
Seconings and condiment	-0					2,189	66		
Sugar						2,841	62		
Tea. coffee. cocoa. etc						2,819	62		
Vegetables (fresh)						47	00		
Sugar,	ried).					1,177	49		
Vesst baking nowder etc						523			
Freight,	·•• ·		•	•	•	511			
ricigno,			•	•	•			68,251	82
Clothing and materials: -								100,202	-
Boots, shoes and rubbers,						\$1,564	50		
Clothing (outer),			•	•	•	1,138			
			•	•	•	675			
			•	•	•	2,350			
Dry goods for clothing, .	•		•	•	•	133			
Hats and caps, Leather and shoe findings	•		•	•	•	133 5			
Leather and shoe findings	, .		•	•	•				
Machinery for manufactur	ring,		•	•	٠	176			
Socks and small wares, .			•	•	•	920			
Freight,	•		•	٠	•	37	28		
							_	7,002	91
Furnishings and household s			•						
Beds, bedding, etc., .			•	•	•	\$3,209			
Carpets, rugs, etc., .			•	•	•	342			
Carpets, rugs, etc., Crockery, glassware, cutle	ry, et	c.,	•		•	1,337			
Dry goods and small ware	s, .					962			
Fire hose and extinguisher	s, .					56	00		
/ Furniture, upholstery, etc.	., .					30	25		
Kitchen and household wa	ares, .					3,807	81		
Kitchen and household wa Laundry supplies and mat	erials	,				3,003	48		
Lavatory supplies and dis-						515	69		
Table linen, paper napking						112	82		
Freight,						115	29		
Electric lamps,						441			
	·						_	13,934	86
Amount carried forward,	, .							\$202,999	32

Amount brought forward,				•		\$202,999	32
Mr. V. I. and commel come							
Medical and general care: —					\$253 94		
Books, periodicals, etc., . Entertainments, games, etc.,	•	•	•	•	660 35	•	
Entertainments, games, etc.,	•	•	•	•	16 00		
Funeral expenses,	•	• '	•	•	11 84		
Gratuities,	•	•	•	•			
ice and refrigeration,	٠.	•	•	•	596 38		
Laboratory supplies and appar			•		80 73		
Manual training supplies,			•	•	997 45		
Medicines (supplies and appar				•	1,567 42		
Medical attendance (extra),		•		•	123 62		
Patients boarded out, .	•				2,051 19		
Return of runaways, .		•			114 14		
School books and supplies,					10 80		
Sputum cups etc.					9 00		
Tobacco, pipes, matches,					209 78		
Water,		:			3,097 91		
					11 02		
						9,811	57
Heat, light and power: — Coal, Freight on coal and other expe							
Coal,		•	•	•	\$27,991 20		
Freight on coal and other expe	enses,	•	•	•	17,448 83		
Electricity,			•		76 54		
Gas,					86 69		
					216 66		
Oil,	and e	ngine	s,	•	417 23		
Freight,					58 34		
		•				46,295	49
Farm and stable:							
Bedding materials, . Blacksmithing and supplies,					\$1,105 32		
Blacksmithing and supplies,					660 96		
Carriages, wagons and repairs					205 54		
Dairy equipment and supplies					842 08		
Fertilizers,					2,120 86		
Grain, etc.,	•	•	•	•	22,675 66		
	:	•	•	•	136 25		
Horana		•	•		652 50		
Horses,	•	•	•	•	775 70		
Cows, Other live stock,		•	•	•	645 80		
Other live stock, Labor (not on pay roll), .	•	•	•	•			
Labor (not on pay roll), .	•	•	•	•	176 80		
Rent,	•	•	•	•	75 00		
Road work and materials,	•	•	•	•	23 25		
Spraying materials, .	•	•	•	•	207 20		
Stable and barn supplies,	•	•	•	•	213 56		
Tools, implements, machines,		•	•	•	663 09		
Trees, vines, seeds, etc., .					1,556 99		
Veterinary services, supplies,	etc.,		•		57 50		
Freight,			•		404 71		
						33,198	77
Grounds: —							
Tools, implements, machines,		•			\$139 35		
Trees, vines, shrubs, seeds, etc	с.,		•		287 09		
Freight,					2 45		
•						428	89
Amount carried forward,						\$292,734	04

Amount brought forward	<i>d</i> , .			•		:		\$292,734	04
Repairs, ordinary: —								•	
Brick,						\$72	41		
Cement, lime, crushed sto			•	•		674			
Electrical work and suppl				•		587			
Hardware, iron, steel, etc.	-		•	•		1,097			
Labor (not on pay roll), .		•	•	•		755			
Lumber, etc. (including fi		nrodu	ote)	•		3,927			
Paint, oil, glass, etc.,		produ	cos,	•		1,662			
Plumbing and supplies, .			•	•		1,516			
Roofing and materials, .		•	•	•		1,510			
			•	•					
Steam fittings and supplie		•	•	•		1,360			
Tools, machines, etc.,	•	•	•	•		192			-
Boilers, repairs,	•	•	•	•		404			
Dynamos, repairs,	- •	•	•	•		13			
Engines, repairs,	•		•	•		595			
Freight,			•	•		. 206			
Machinery repairs, .				•		63	35		
								13,232	29
Donairs and renowals:									
Repairs and renewals: — Duplex pump,								525	۸۸
Duplex pump,	•	•	•	•	•	•	•	323	00
									-
Total expenses for main	tenan	e, .				•		\$306,491	33
						-			
	SPECIA	AL APP	ROPRI	ATION	з.				
Balance Dec. 1, 1917,								\$1,805	13
Appropriations for fiscal year	r, .			_				113,000	
	-, -						-		
Total,		•	•	•	•		. •	\$114,805	
Expended during the year,			•	•	•	•	٠	15,071	45
Balance Nov. 30, 1918,					٠.			\$99,733	68
220000000000000000000000000000000000000									
R	ESOUR	CES AN	n Lia	BILITI	ES.				
				-					
		Resor	urces.						
Cash on hand,						\$4,617	98		
November cash vouchers	(paid	from	adva	nce					
money), account of maint	enance	, .				382	02		
Due from treasury of Comi	nonwe	alth fr	om av	rail-					
able appropriation, accoun	nt of I	Novem	ber, 1	918,					
schedule,						12,844	40		
Maintenance industries, .						430	78		
								\$18,275	18
,		Liabi	lities.						
Schedule of November bills,					9	17,844	40		
Maintenance industries,	•	•	•	•	4	430			
maintenance industries, .	•	•	•	•		100		\$18,275	18
								Ψ±0,=10	

PER CAPITA.

During the year the average number of inmates has been 985.18. Total cost for maintenance, \$306,491.33. Equal to a weekly per capita cost of \$5.98. Receipt from sales, \$2,970.24. Equal to a weekly per capita of \$0.0579. All other institution receipts, \$57,808.78. Equal to a weekly per capita of \$1.12.

Respectfully submitted,

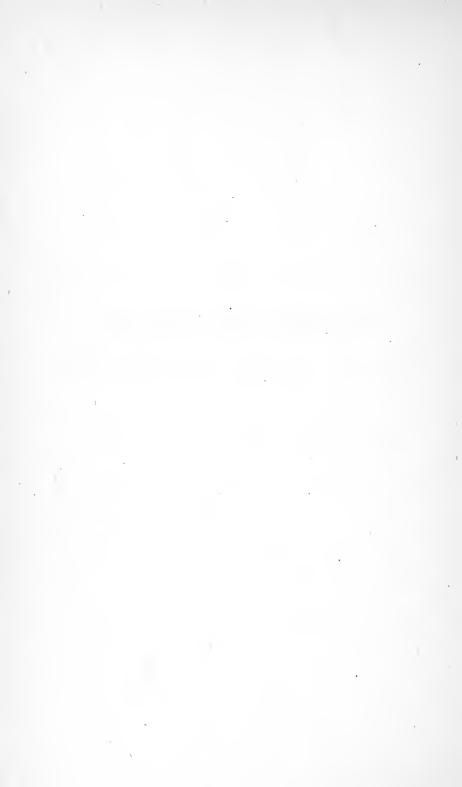
LEWIS F. BABBITT,

Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

ALONZO B. COOK,

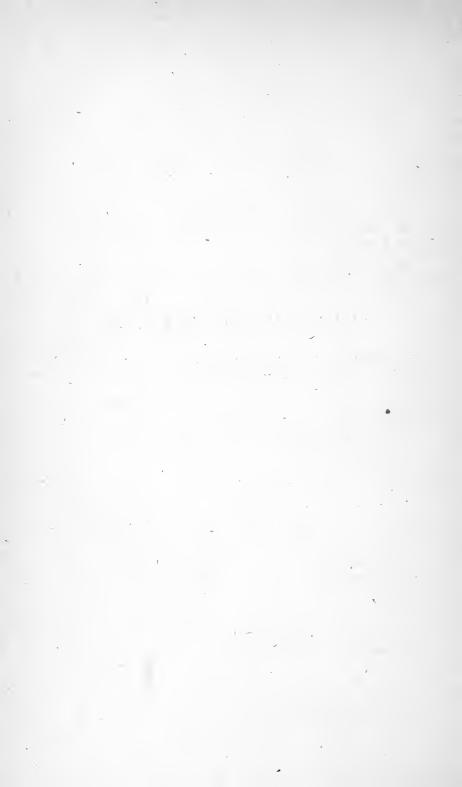
Auditor.



STATISTICAL TABLES

AS ADOPTED BY AMERICAN MEDICO-PSYCHOLOGICAL ASSOCIATION.

PRESCRIBED BY MASSACHUSETTS COMMISSION ON MENTAL DISEASES.



STATISTICAL TABLES.

Table 1. — General Information.

1. Date of opening as an insti	tutio	n fo	r the	e insa	ne:	Aug. 1	6, 1858.	
2. Type of institution: State.								
3. Hospital plant:—								
Value of hospital propert	y: —	-						
Real estate, including	build	ings	,				\$877,	498 50
Personal property,			•				171,0	062 48
Total, . :							\$1,048,	560.98
	•		•	•		•	ψ1,0±0,	900 90
Total acreage of hospital	pror	ertx	r. 51	1.				
Acreage under cultivation								
*	ı aaı	, m. 6	y car	, 210	'			
4. Medical service: —						Men.	Women.	Totals.
Superintendents,				1.		1		1
Assistant physicians, 1.						1	4	5
Medical internes,						_	_	_
Clinical assistants, .	Ċ						_	_
01121001 000010 000010,								
Total,						2	4	6
5. Employees:—						Males.	Females.	Totals.
Graduate nurses, .							3	3
Other nurses and attenda	nts.					136	77	213
Social workers,	. ′					_	1	1
All other employees, .						109	56	165
Total,	٠		٠	٠	•	245	137	. 382
						Men.	Women.	Totals.

Table 2. — Financial Statement.

56.1

53.45

See treasurer's report for data requested under this table.

6. Percentage of patients employed during year, . 50.79

¹ In army on leave of absence; vacancy.

Table 3. — Movement of Patient Population for the Year ending Sept. 30, 1918.

	SOOKS.	.slatoT	1,119	319 88 407 407		43 146 357 1,169	1,194.865 979.500 23.571 191.794 118 989	
	TOTAL ON BOOKS.	Females.	552	173 33 206 206	26, 12, 41.	43 69 177 581	594.965 488.202 20.726 86.037 6 6 59 484	331 95 95
I	EO.T.	Males.	567	146 55 201 201	84. 18,	- 477 180 588	599.900 491.298 2.845 105.757 59 59	436 35 34
	es.	Totale.	1	1 1 1 1 1	1 111	1111	11)1111	1 1 1
vi.	INEBRIATES.	Females.	ı	1111	1 111	1111	111111	1 1 1.
LASSE	INE	Males.	1	11111	1 111		1111111	111
OTHER CLASSES	-ND	Totals.		m m m	ω III α	1 00 1 100	.078 .078 	1 1 1
Ô	SANE, VOLUN- TARY.	Females.	1	01101101		21 63	.032	1 1 1
	SAN	Males.		-1-1-	- III	ابا ا	.046	111
		.slstoT	1,1191	316 88 404 404	1,523 64 63 32	43 146 354 1,169	1,194.787 979.422 23.571 191.794 118 989	767
	INSANE	Females.	552	171 33 204 	21 26 14	43 69 175 581	594.933 488.170 20.726 86.037 484	331 58 95
		Males.	292	145 55 200 200	767 443 37 18	4 77 179 588	599. 491. 2. 105.	436 35 34
			1. Patients on books of institution Sept. 30, 1917,	Admissions utility the year: (a) First admissions, (b) Readmissions, Total admissions, (c) Transfers from other institutions for the insane, 2. Total received during year,	. Total under treatment during year, Discharged from books during year: — (a) As recovered, (b) As unproved, (c) As unimproved,	(a) As not insane. (e) Transferred to other institutions for the insane. (f) Died during year, 4. Total discharged from books during year, 5. Patients remaining on books of institution Sept. 30, 1918,	Supplementary Data. 6a. Average daily number of patients on books during year, 6b. Average daily number of patients actually in institution during year, 7a. Average daily number of patients in family care, 7b. Average daily number of patients on visit and escape, 8b. Number of voluntary patients admitted during year, 9c. Number of temporary-care cases admitted during year, 10. Number of patients actually remaining in institution Sent. 30, 1918.	State, Reimbursing, Private,

102

57

15

·-]	10
20 13 5 2 1,514 402 310	Totals.
2 13 2 2 3 1 1 755 6 206 6 134	Females.
3 2 2 759 196 176	.ss.
1111111	Males,
111111	_
111111	=
1111888	
1111999	_
	=
20 13 5 2 2 1,511 399 307	
17. 13° 204 132	
3 758 195 175	
 Number of patients in family care Sept. 30, 1918, State, Private, Private, Self-supporting, 12. Number of different persons within the year, Number of different persons admitted from the community, Number of different persons admitted from the community, Number of different persons admitted from the community, 	14. Number of different persons unsurescent control

¹ Includes 1 male patient on books from elopement of 1914.

15. Number of non-insane patients or inmates in institution at end of institution year, (h) Persons given advice or treatment in out-patient department during year,

Table 4. — Nativity of First Admissions and of Parents of First Admissions.

		P	ATIENT	rs.		RENTS MALE ATIENT		OF	PARENT FEMA	LE
Nativity,		Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
United States,		83	112	195	53	65	118	51	70	121
Austria,		6	4	10	7	4	11	7	4	11
Canada,		13	10	23	19	18	37	16	18	34
England,		3	3	6	5	7	12	7	7	14
France,		1	1	2	2	1	3	1	1	2
Germany,		2	4	6	4	10	14	3	9	12
Holland,		-	_	-	-	-	-	1	-	1
Hungary,		-	-	-	_	1	1	-	1	1
Ireland,		14	19	33	21	41	62	24	37	61
Italy,		4	2	6	5	2	7	5	2	7
Poland,		5	4	9	5	4	9	5	- 4	9
Russia,		13	4	17	16	5	21	16	5	21
Scotland,		_	6	6	4	7	11	4	8	12
Sweden,		-	1	1	-	1	1	- 1	1	1
Switzerland,		1	_	1	1	_	1	1	-	1
Turkey in Asia, .		-	1	1	-	2	2	-	2	2
Total foreign born,		62	59	121	89	103	192	90	99	189
Unascertained, .		_	_	_	3	3	6	4	2	6
Grand total, .		145	171	316	145	171	316	145	171	316

Table 5. — Citizenship of First Admissions.

				Males.	Females.	Totals.
Citizens by birth,				87	110	197
Citizens by naturalization,				24	28	52
Aliens,				30	28	58
Citizenship unascertained,				4	5	9
Total,				145	171	316

Table 6. — Psychoses of First Admissions.

(a) Deterioration, 2 2 2 4 7 7 (b) Psychasthenic type, 2 3 5 7 (c) Neurasthenic type, - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
(b) Traumatic constitution, (c) (c) Post-traumatic mental enfeeblement, 1	Psychoses.	Males.	Females.	Totals.	Males.	Females.	Totals.
C. Post-traumatic menta enterplement,	1. Traumatic, total,				3	-	3
(c) Presspyophrenic type, (c) Delirious and confused states, (d) Depressed and agitated states in addition to (e) Control of the deterioration, (f) Presentle, states in addition to deterioration, (g) Presentle, states in addition to deterioration, (g) Presentle, states in addition to deterioration, (g) Presentle, states in addition to deterioration, (g) Presentle, states in addition to deterioration, (g) Presentle, states in addition to deterioration, (g) Presentle, states in addition to deterioration, (g) Presentle, states in addition to deterioration, (g) Presentle, states in addition to deterioration, (g) Parlysis, (g) Presentle, states in addition to (g) Parlysis, (g) Presentle, states in addition to (g) Parlysis, (g) Presentle, states in addition to (g) Parlysis, (g) Presentle, states in addition to (g) Parlysis, (g) Presentle, states in addition to (g) Parlysis, (g) Parlysis, (g) Parlysis agitans, (g) Par	(c) Post-traumatic mental enfeeblement		_				
(c) Presspyophrenic type, (c) Delirious and confused states, (d) Depressed and agitated states in addition to (e) Control of the deterioration, (f) Presentle, states in addition to deterioration, (g) Presentle, states in addition to deterioration, (g) Presentle, states in addition to deterioration, (g) Presentle, states in addition to deterioration, (g) Presentle, states in addition to deterioration, (g) Presentle, states in addition to deterioration, (g) Presentle, states in addition to deterioration, (g) Presentle, states in addition to deterioration, (g) Presentle, states in addition to deterioration, (g) Parlysis, (g) Presentle, states in addition to (g) Parlysis, (g) Presentle, states in addition to (g) Parlysis, (g) Presentle, states in addition to (g) Parlysis, (g) Presentle, states in addition to (g) Parlysis, (g) Presentle, states in addition to (g) Parlysis, (g) Parlysis, (g) Parlysis agitans, (g) Par	2. Senile, total,			. 16	15	17	32
(d) Depressed and agitated states in addition to deterioration, (e) Paranoid states in addition to deterioration, (e) Paranoid states in addition to deterioration, (f) Paranoid states in addition to deterioration, (g) Paranoid states in addition to deterioration, (g) Paranoid states in addition to deterioration, (g) Paranoid states in addition to deterioration, (g) Paranoid states in addition to deterioration, (g) Paranoid states in addition to deterioration, (g) Paranoid states in addition to deterioration, (g) Paranoid states in addition to deterioration, (g) Paranoid states in addition to deterioration, (g) Paranoid states in addition to deterioration, (g) Paranoid states in addition to deterioration, (g) Paranoid states in addition to deterioration, (g) Paranoid states, ((b) Presbyophrenic type,	1	2	3			
deterioration, (e) Paranoid states in addition to deterioration, (f) Presenile, (g) Presenile,	(c) Delirious and confused states,	2	3	5			
(f) Presenile, (1) With erebral arteriosclerosis, (4) General paralysis, (5) With cerebral syphilis, (6) With Huntington's chorea, (7) With brain tumor, (8) With other brain or nervous diseases, total, (8) Paralysis agitans, (9) Paralysis agitans, (1) Paralysis agitans, (1) Paralysis agitans, (2) Paralysis agitans, (3) Paralysis agitans, (4) Paralysis agitans, (5) Paralysis agitans, (6) Paralysis agitans, (7) Paralysis agitans, (8) Paralysis agitans, (9) Paralysis agitans, (1) Paralysis agitans, (1) Paralysis agitans, (2) Pathological intoxication, (3) Pathological intoxication, (4) Pathological intoxication, (5) Pathological intoxication, (6) Pathological intoxication, (7) Pathological intoxication, (8) Pathological intoxication, (9) Pathological intoxication, (1) Pathological intoxication, (2) Pathological intoxication, (3) Pathological intoxication, (4) Pathological intoxication, (5) Pathological intoxication, (6) Pathological intoxication, (7) Pathological intoxication, (8) Pathological intoxication, (9) Pathological intoxication, (1) Pathological intoxication, (2) Pathological intoxication, (3) Pathological intoxication, (4) Pathological intoxication, (5) Pathological intoxication, (7) Pathological intoxication, (8) Pathological intoxication, (9) Pathological intoxication, (1) Pathological intoxication, (1) Pathological intoxication, (2) Pathological intoxication, (3) Pathological intoxication, (4) Pathological intoxication, (5) Pathological intoxication, (7) Pathological intoxication, (8) Pathological intoxication, (9) Pathological intoxication, (1) Pathological intoxication, (2) Pathological intoxication, (3) Pathological intoxication, (4) Pathological intoxication, (5) Pathological intoxication, (6) Pathological intoxication, (7) Pathological intoxication, (8) Pathological intoxication, (9) Pathological intoxication, (1) Pathological intoxication, (2) Pathological intoxication, (3) Pathological intoxication, (4) Pathological intoxication, (5) Pathological intoxication, (6) Pathological intoxication, (7)	deterioration,	1					
3. With cerebral arteriosclerosis, 4. General paralysis, 5. With cerebral spyhilis, 6 3 3 3 6. With Huntington's chorea, - 1 1 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1					
5. With cerebral syphilis,	3. With cerebral arteriosclerosis,						
7. With brain tumor, 8. With other brain or nervous diseases, total, 7. Paralysis agitans, Meningitis, tubercular, Tabes, 7. Taboparesis, Cerebrospinal syphilis, Amyotrophic lateral sclerosis, Psychosis with hydrocephalus, 9. Alcoholic, total, (a) Pathological intoxication, (b) Delirium tremens, (c) Acute hallucinosis, (d) Chronic hallucinosis, (g) Chronic hallucinosis, (g) Chronic hallucinosis, (g) Chronic hallucinosis, (g) Chronic hallucinosis, (g) Chronic hallucinosis, (g) Chronic hallucinosis, (g) Chronic hallucinosis, (g) Chronic hallucinosis, (g) Chronic hallucinosis, (g) Chronic hallucinosis, (g) Chronic paranoid type, (h) Alcoholic deterioration, 10. Due to drugs and other exogenous toxins, 11. With other somatic diseases, total, (a) (1) Delirium with influenza, (a) (1) Delirium with influenza, (a) (1) Delirium with influenza, (a) (2) Delirium with influenza, (a) (2) Delirium with themophilia, (b) Exhaustion delirium, (c) Exhaustion delirium, (d) Expophthalmic goiter, (g) (g) (1) Delirium with themophilia, (g) Delirium with themophilia, (g) Delirium with uraemia, 11. 1 12. 41 13. Manic-depressive, total, (a) Manic type, (b) Depressive type, (c) Circular type, 10. Demental pracox, total, (a) Paranoid type, (b) Depressive type, (c) Hebephrenic type, (d) Mixed type, (e) Circular type, 11. 1 2 12. 41 13. Paranoia and paranoiae conditions, 14. 2 3 15. Dementia pracox, total, (a) Paranoid type, (b) Psychasthenic type, (c) Hebephrenic type, (d) Anxiety neuroses, (e) Menstal deficiency, without psychosis, (e) Menstal deficiency without psychosis, (e) Mental deficiency without psychosis, (f) Chorea without psychosis, (g) Malingerer, 10. With constitutional psychopathic inferiority without psychosis, (g) Malingerer, 11. 11. 11. 1 12. 12. 1 13. 13. 14. 2 14. 17. 1 15. 15. 15. 15. 1 16. 17. 1 1 17. 18. 18. 18. 18. 18. 18. 18. 18. 18. 18	5. With cerebral syphilis,	: :	: :	: :		3	3
8. With other brain or nervous diseases, total,					_	1	1
Meningitis, tubercular, 1	8. With other brain or nervous diseases, total,				5	8	13
Taboparesis, Carebrospinal syphilis, Amyotrophic lateral sclerosis, Psychosis with hydrocephalus, 9. Alcoholic, total, (a) Pathological intoxication, (b) Delirium tremens, (c) Acute hallucinosis, (d) Chronic paramoid type, (d) Alcoholic deterioration, (e) Korsakow's psychosis, (f) Chronic paramoid type, (g) Chronic paramoid type, (g) Chronic paramoid type, (g) Chronic paramoid type, (g) Chronic paramoid type, (g) Chronic paramoid type, (g) Chronic paramoid type, (g) Chronic paramoid type, (g) Chronic paramoid type, (g) Chronic paramoid type, (g) Chronic paramoid type, (g) Chronic paramoid type, (g) Chronic paramoid type, (g) Chronic paramoid type, (g) Chronic paramoid type, (g) Chronic paramoid type, (g) Chronic paramoid type, (g) Chronic paramoid type, (h) Delirium with influenza, (g) Chronic paramoid type, (g) Chronic paramoid paychopathic inferiority, (g) Nuth mental deficiency, (h) Chronic paychopathic inferiority with- (h) Chronic paychopathic inferiority with- (h) Chronic paychopathic inferiority with- (h) Chronic paychopathic inferiority with- (h) Chronic paychopathic inferiority with- (h) Chronic paychopathic inferiority with- (h) Malingerer, (h) Malingerer, (h) Malingerer, (h) Alacholic paychopathic paychosis, (h) Malingerer, (h) La La La La La La La La La La L	Paralysis agitans,	1	1 -				İ
Cerebrospinal syphilis,	$\underline{\mathbf{T}}$ abes,	1		3			
Psychosis with hydrocephalus,	Cerebrospinal syphilis,	Z	3	3			
9. Alcoholic, total,		-	1				
(b) Dehrium tremens, (c) Acute hallucinosis, (d) Caute hallucinosis, (e) Korsakow's psychosis, (f) Chronic paranoid type, (f) Alcoholic deterioration, (f) Alcoho	9. Alcoholic, total				21	9	30
(c) Acute hallucinosis, (e) Korsakow's psychosis, 3	(a) Pathological intoxication,	- 2	1 -				
(h) Alcoholic deterioration, (1) Due to drugs and other exogenous toxins, (2) With pellagra, (2) Delirium with influenza, (2) Delirium with pneumonia, (3) Cardiorenal disease, (4) 1 Delirium with pneumonia, (5) Exhaustion delirium, (6) Cardiorenal disease, (7) Exophthalmic goiter, (9) (1) Delirium with tabes, (1) 1 2 2 3 4 4 5 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(c) Acute hallucinosis,	11	1	12			
(h) Alcoholic deterioration, (1) Due to drugs and other exogenous toxins, (2) With pellagra, (2) Delirium with influenza, (2) Delirium with pneumonia, (3) Cardiorenal disease, (4) 1 Delirium with pneumonia, (5) Exhaustion delirium, (6) Cardiorenal disease, (7) Exophthalmic goiter, (9) (1) Delirium with tabes, (1) 1 2 2 3 4 4 5 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(f) Chronic hallucinosis,		4	5			
10. Due to drugs and other exogenous toxins, 2 2 12. With other somatic diseases, total, 1 1 1 1 1 1 1	(g) Chronic paranoid type,	3		5	.		
12. With other somatic diseases, total,	10. Due to drugs and other exogenous toxins				_	_	_
(a) (1) Delirium with influenza, (2) Delirium with pneumonia, -1 1 1 1 (2) Delirium with pneumonia, -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11. With pellagra,				- 4		
(c) Exhaustion delirium,	(a) (1) Delirium with influenza,	1			1		10
(g) (1) Delirium with tabes. (2) Delirium with themophilia, (3) Delirium with uremia, (3) Delirium with uremia, (4) Manie-depressive, total, (5) Depressive type, (6) Depressive type, (7) Delirium with uremia, (8) Manie-depressive, total, (9) Depressive type, (10) Depressive type, (11) Depressive type, (12) Depressive type, (13) Depressive type, (14) Mixed type, (15) Depressive type, (15) Depressive type, (16) Mixed type, (17) Dementia precox, total, (18) Dementia precox, total, (19) Dementia precox, tota	(c) Exhaustion delirium,	1	6	. 7			
(g) (1) Delirium with tabes. (2) Delirium with themophilia, (3) Delirium with uremia, (3) Delirium with uremia, (4) Manie-depressive, total, (5) Depressive type, (6) Depressive type, (7) Delirium with uremia, (8) Manie-depressive, total, (9) Depressive type, (10) Depressive type, (11) Depressive type, (12) Depressive type, (13) Depressive type, (14) Mixed type, (15) Depressive type, (15) Depressive type, (16) Mixed type, (17) Dementia precox, total, (18) Dementia precox, total, (19) Dementia precox, tota	(e) Cardiorenal disease,	1	1	2			
13. Manie-depressive, total,	(a) (1) Delirium with tabes,	1	- !	1			
13. Manie-depressive, total,	(2) Delirium with hæmophilia,	· _	1				
(b) Depressive type, (c) Stupor, (d) Mixed type, (e) Circular type, (e) Circular type, (f) Experimental precox, total, (g) Paranoid type, (g) Experimental precox, total, (g) Paranoid type, (g) Experimental precox, total, (g) Paranoid type, (g) Experimental type, (g) Experimental type, (g) Hebephrenic type, (g) Hebephrenic type, (g) Hebephrenic type, (g) Hebephrenic type, (g) Experimental type, (g) Experimental type, (g) Psychasthenic type, (g) Neurasthenic type, (g) Mith mental deficiency, (g) Uring addiction without psychosis, (g) Constitutional psychopathic inferiority without psychosis, (g) Malingerer,	13. Manic-depressive, total,				14	27	41
(c) Stupor, (d) Mixed type, (e) Circular type, (e) Circular type, (f) Mixed type, (g) Circular type, (g) Circular type, (g) Circular type, (g) Circular type, (g) Circular type, (g) Paranoid type, (g) Hebephrenic type, (g) Hebephrenic type, (g) Hebephrenic type, (g) Hebephrenic type, (g) Simple type, (g) Hebephrenic type, (g) Deterioration, (g) Deterioration, (g) Deterioration, (g) Psychasthenic type, (g) Neurasthenic type, (g) Numental deficiency, (g) With mental deficiency, (g) Drug addiction without psychosis, (g) Drug addiction without psychosis, (g) Malingerer, (h) 47 87 (a) Capped (a) 47	(b) Depressive type.		8	11			
14. Involution melanchona,	(c) Stupor,	-	2	2		Ì	
14. Involution melanchona,	(e) Circular type,		1	2			
(a) Paranoid type, (b) Katatonic type, (c) Hebephrenic type, (d) Simple type, (d) Simple type, (d) Simple type, (e) Hezpenic and paranoise conditions, (f) Paranoia and paranoise conditions, (a) Deterioration, (a) Deterioration, (b) Psychasthenic type, (c) Neurasthenic type, (d) Anxiety neuroses, (d) Anxiety neuroses, (d) Anxiety neuroses, (e) With mental deficiency, (f) Drug addiction without psychosis, (g) Drug addiction without psychosis, (h) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency, (f) Chorea without psychosis, (g) Malingerer, (g) Malingerer, (g) Malingerer, (h) Katatonic type, (a) 12 2 3 (b) 19 (a) 2 2 4 (c) 2 5 (c) 7 (c) 2 2 4 (c) 2 5 (c) 2 6 (d) 2 6 (d) 2 7 (d) 2 7 (d) 2 7 (d) 2 7 (d) 2 7 (d) 2 7 (e) Mental deficiency without psychosis, (e) Mental deficiency without psychosis, (f) Chorea without psychosis, (g) Malingerer, (h) 12 2 3 (h) 12 2 2 4 (h) 12 2 2 4 (h) 12 2 2 4 (h) 12 2 2 4 (h) 12 2 2 2 2 (h) 12 2 2 2 4 (h) 12 2 2 2 2 (h) 12 2 2 2 4 (h) 12 2 2 2 2 2 (h) 12 2 2 2 2 (h) 12	14. Involution melancholia,	٠ .	• •		40	47	. 5 87
(c) Hebephrenic type, (d) Simple type, 11 2 3 16. Paranoia and paranoiac conditions, 17. Epileptic, total, (a) Deterioration, 18. Psychoneuroses, total, (b) Psychasthenic type, (c) Neurasthenic type, (d) Anxiety neuroses, 19. With constitutional psychopathic inferiority, 20. With mental deficiency, 21. Undiagnosed, 22. Not insane, total, (c) Drug addiction without psychosis, (d) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency, 21. Undiagnosed, 22. A 4 9 13 (d) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency, 21. Undiagnosed, 22. A 4 9 13 (d) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency without psychosis, (f) Chorea without psychosis, (g) Malingerer, (e) Ma	(a) Paranoid type,			35		-"	•
(d) Simple type, 16. Paranoia and paranoiac conditions, 17. Epileptic, total, (a) Deterioration, 18. Psychoneuroses, total, (b) Psychasthenic type, (c) Neurasthenic type, (d) Anxiety neuroses, 19. With constitutional psychopathic inferiority, 20. With mental deficiency, 21. Undiagnosed, 22. 24 25. 7 26. 7 27. 7 28. 29. 36. 5 29. 37. 7 29. With constitutional psychopathic inferiority, 20. With mental deficiency, 21. Undiagnosed, 22. 24 24. 25. 7 25. 7 26. 27. 28. 28. 29. 29. 29. 29. 29. 29. 29. 29. 29. 29	(c) Hebephrenic type,						
17. Epileptic, total,	(d) Simple type,		2	3	_	_	
18. Psychoneuroses, total,	17. Epileptic, total,	: :	: :	: :	2	2	4
(b) Psychasthenic type, (c) Neurasthenic type, (d) Anxiety neuroses, (e) Methodology and the first inferiority, (e) Mith constitutional psychopathic inferiority, (f) Auxiety neuroses, (g) With mental deficiency, (g) Mith mental deficiency, (g) Drug addiction without psychosis, (g) Drug addiction without psychosis, (g) Mental deficiency without psychosis, (g) Mental deficiency without psychosis, (g) Mental deficiency without psychosis, (g) Malingerer, (g) Malingerer, (g) Malingerer, (g) Malingerer, (g) Malingerer, (g) Malingerer, (g) Malingerer, (g) Malingerer, (g) Malingerer, (g) Malingerer, (g) Malingerer, (h) Mal	(a) Deterioration,	2	2	4	2	5	7
(d) Anxiety neuroses, (e) Mental deficiency, (d) Anxiety neuroses, (e) Mental deficiency, (e) Malingerer, (e)	(b) Psychasthenic type	2			_	Ŭ	·
20. With mental deficiency, - 1 1 21. Undiagnosed, - 2 2 4 4 9 13	(d) Anxiety neuroses,	_					
21. Undiagnosed,	19. With constitutional psychopathic inferiority,				-	- 1	1
(c) Drug addiction without psychosis, 1 - 1 (d) Constitutional psychopathic inferiority without psychosis, - 2 2 (e) Mental deficiency without psychosis, 2 6 8 (f) Chorea without psychosis, 1 - 1 (g) Malingerer, 1 1 1	21. Undiagnosed,	: :	: :	: :	2	2	4
out psychosis,	22. Not insane, total, (c) Drug addiction without psychosis.	i	. :	· i	4	9	13
(e) Mental deficiency without psychosis,	(d) Constitutional psychopathic inferiority with-	*		- 1			
(g) Malingerer,	(e) Mental deficiency without psychosis			8			
	(f) Chorea without psychosis,	1	- 1	1			
10tai,			1				010
	Total,				145	1/1	316

Table 7. — Race of First Admissions classified with Reference to Psychoses.

	, E	Totals.		
	WITH BRAIN TUMOR.	Females.	111111111111111	1
	WITH	Males.		T
	s, N	Totals.	1111-11111111111	-
	WITH HUNTINGTON'S CHOREA.	Females.	1111011111111111	-
	HUNT	Males.		1
	H	Totals.		es
	WITH CEREBRAL SYPHILIS.	Females.		က
	CE]	Males.		1
, i	ig r	.slstoT	11184444111141118	15
Ратсноявь.	, GENERAL PARALYSIS	Females.	1 1 1 1 1 1 1 1 1 1	9
Psyc	, GE	Males.		6
	WITH CEREBRAL ARTERIO- SCLEROSIS.	Totals.	111131113111131111	33
		Females.	11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	15
		Males.	11118411411141115	24
		Totals.	1114841181111418	32
	SENILE	Females.	1	17
	SE	Males.	11110111011111111	12
	ric.	Totals.		က
	TRAUMATIC.	Females.		'
	TR.	Males.		က
		Totals.	22 127 127 127 129 10 10 31 1133 1133	316
.	Total.	Females.	21 121 121 121 121 121 121 121 121 121	171
		Males.	222222222222222222222222222222222222222	145
	RACE.			
	H			•
			African, Armenian, Dutch, English, German, Hebrew, Italian, Irish, Magyar, Seardinavian, Seotch, Syrian, Welsh,	Total,

Table 7.—,Race of First Admissions classified with Reference to Psychoses — Continued.

	₄.	Totals.	22 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	87
	DEMENTIA PRÆCOX.	Females.	11 1 4 2 1 1 1 2 2 1 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1	47
	DEN PR.	Males.	<u> </u>	40
	ON LIA.	Totals.	1111101101111111	5
	INVOLUTION MELANCHOLIA.	Females.	111110110111111111111111111111111111111	20
	INV	Males.		1
	V E.	Totals.	11188411118110	41
	MANIC- DEPRESSIVE.	Females.		27
	DEP	Males.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14
	C S.	.alstoT	11111011411101110	16
	WITH OTHER SOMATIC DISEASES.	Females.	1-1110111011110	12
Psychoses.	WIT	Males.		4
Рвусн	Y	Totala.	111111111111111111111111111111111111111	7
nė.	WITH PELLAGRA.	Females.	1111111111111111	7
	PE	Males.	11111111111111	
!	UGS ER	Totals.		1
	DUE TO DRUGS AND OTHER EXOGENOUS TOXINS.	Females.	111111111111111	-
	DUE ANI EXC	Males.	11111111111111	1
	IC.	Totals.	11131 1222 111	30
	ALCOHOLIC.	Females.		6
	ALC	Males,	11,144118211118114	21
	TER DUS	Totals.	111111111111111111111111111111111111111	13
	WITH OTHER BRAIN OR NERVOUS DISEASES.	Females.	1	∞
	WIT OR DI	Males.	1	τς.
				•
	ឆ្នាំ			
	RACE.			
			African, Armenian, Dutch, English, French, German, Hebrew, Hishan, Irish, Irish, Magyar, Magyar, Seardinavian, Savonic, Slavonic, Slavonic, Welsh,	Total,

Table 7.— Race of First Admissions classifted with Reference to Psychoses — Concluded.

	, E	Totals.	1111011100111101110
	NOT INSANE.	Females.	11110111011111111114 0
	NOT	Males.	111111111111111111111111111111111111111
	ED.	Totals.	111111111111111111111111111111111111111
	UNDIAGNOSED.	Females.	111111111111111111111111111111111111111
	UND	Males.	111111111111111111111
	TAL	Totals.	1111111111111111
	WITH MENTAL DEFICIENCY.	Females.	111111111111111
	WIT	Males.	
Psychoses.	N- IAL PHIC TY.	Totals.	
	WITH CON- STITUTIONAL PSYCHOPATHIC INFERIORITY,	Females.	
Pg	WE STIT PSYCI INFE	Males.	
	. ໜ້	Totals.	111111111111111111111111111111111111111
	PSYCHO- NEUROSES.	Females.	111111111111111111111111111111111111111
	P	Males.	
	Ğ.	.rotals.	11191111111114
-	EPILEPTIC.	Females.	
	ia ia	Males.	111-1111-1111111 8
	IA NOIC NS.	Totals.	
	PARANOIA AND PANANOIC CONDITIONS.	Females.	
,	AND	Males.	111111111111111111111111111111111111111
	RACE.		
			African, Amenian, Dutch, Bnglish, French, German, Hebrew, Irish, Irish, Scandinavian Societ, Societ, Societ, Welsh, Mixed,

Table 8.— Age of First Admissions classified with Reference to Principal Psychoses.

II	1	Totals.	1	98
	40-44.	Females.		19
	40	Males.	H H	=
	-	Totals.		31
<u>l</u>	35-39.	Females.	1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	17 3
	35	Males.	1110111401144101411141	14
	-	Totals.	1 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	38
	30-34.	Females.	1114111131148141481114	22 3
	8	Males.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	16 2
ŀ		1	H H H K H O O H H H	
ARS.	.29.	Totals.	1111111111141811111111	9 23
YEARS	25-29.	Females.		
		Males.		14
	24.	Totals.		24
j .	20-24.	Females.		13
		Males.	11111111111110111110	=
	•	Totals.	111111111111111111111111111111111111111	15
	15-19.	Females.	111111111111111111111111111111111111111	
		Males.	1 1 1 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1	10
	15.	Totals.	11111111111111111	-
	UNDER 15.	Females.		-
	5	Males.		ı
-	i	Totals.	33.33.33.33.33.33.33.33.33.33.33.33.33.	316
T T T T T T T T T T T T T T T T T T T	10.	Females.	171 172 186 187 187 187 187 187 187 187 187 187 187	171
		Males.	21740 127 144 0 100 104	145
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			ases,	
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	20 H 20 A 20		sclerosis, servina diseases, tervous diseases, seases, ia, c conditions, sychopathic inferiority	.
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		,	sarter sis, yyphi	
			araly araly tringt tringt tringt tringt tringt tringt tringt tringt in the price and p	
			1. Traumatic, 2. Senile, 3. With cerebral arteriosclerosis, 4. General paralysis, 5. With cerebral syphilis, 6. With derobral syphilis, 7. With brain tumor, 7. With brain tumor, 9. Alcoholic, 11. With other somatic diseases, 12. With other somatic diseases, 13. Manic-depressive, 13. Manic-depressive, 14. Involution melancholia, 15. Dementia precox, 16. Paranoia and paranoic conditions, 16. Paranoia and paranoic conditions, 16. Paranoia and paranoic conditions, 18. Psychoneuroses, 19. With constitutional psychopathic infer- 21. Undiagnosed, 22. Undiagnosed,	Total, .
			Frau Senilu Mith Mith Mith Mith Mith Mith Mith Mith	Tot
			1.2.2.4.7.6.7.9.9.0.1.2.2.1.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	

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Table 10. — Environment of First Admissions classified with Reference to Principal Psychoses.

		Готаі	Ĺ.	τ	Jrbai	Ν.	1	RURA	Ն.
Psychoses.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	3	-	3	1	_	1	2	_	2
2. Senile,	15	17	32	5	7	12	10	10	20
3. With cerebral arteriosclerosis,	24	15	_ 39	8	9	17	16	6	22
4. General paralysis,	9	6	15	4	3	7	5	3	8
5. With cerebral syphilis,	-	3	3	-	2	2	-	1	1
6. With Huntington's chorea,	-	1	1	-	-	-	-	1	1
7. With brain tumor,	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases, .	5	8	13	2	3	5	3	5	8
9. Alcoholic,	21	9	30	15	5	20	6	4	10
10. Due to drugs and other exogenous toxins,	-	-	-	-	-		-	-	-
11. With pellagra,	-	2	2	-	1	1	-	1	1
12. With other somatic diseases,	4	12	16	2	6	8	2	6	8
13. Manic-depressive,	14	27	41	5	12	17	9	15	24
14. Involution melancholia,	-	5	5	-	3	3	-	2	2
15. Dementia præcox,	40	47	87	23	25	48	17	22	3 9
16. Paranoia and paranoic conditions,	-	-	-	-	-	-	-	~	-
17. Epileptic,	2	2	4	-	1	1	2	1	3
18. Psychoneuroses,	2	5	7	1	3	4	1	2	3
19. With constitutional psychopathic inferi-	-	-	-	-	-	-	-	-	-
ority. 20. With mental deficiency,	-	1	1	-	-	-	-	1	1
21. Undiagnosed,	2	2	4	1	1	2	1	1	2
22. Not insane,	4	9	13	2	3	5	2	6	8
Total,	145	171	316	69	84	153	76	87	163

Table 11. — Economic Condition of First Admissions classified with Reference to Principal Psychoses.

INED.	Totals.		1
UNASCERTAINED.	Females.		
UNA	Males.		
E.	Totals.	100001110411104111111111	47
COMFORTABLE.	Females.	141000 [101 1400000 141 14	30
Con	Males.		17
Ľ	.slstoT	2007-21 800 20	205
Marginal,	Females.	10000011000100000011001104	112
	Males.	27-24-1 1 2 2 1 1 8 2 1 1 1 2 2 1 1 2 2	93
DEPENDENT.	Totals.	1827,2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	64
	Females.	 	29
	Males.	⊕©70 100 110 10 1 10 10 11 11 10 10 11 10 1	35
	.Totaja.	88888888888888888888888888888888888888	316
TOTAL.	Females.	1711 200 80 172 172 173 174 175 175 175 175 175 175 175 175 175 175	171
	Males.	2123 242 2121 441 221 244 24	145
			•
		ority	
		derosis, increa, ervous diseases, er exogenous toxins, seases, ia, conditions, sychopathic inferiority	
	SES.	erosis,	
	CHOSES	clerosis i, increa, increa, ervous er exog seases, ia, condii	
	Psrc	ioscleilis, chorver chorver chorver chorver chorver chorver chorver choria, nolia, noic con conce con conce	٠
		rater sis, yph on's yph on's yph on's not con's aric ve, ve, aran anch on's on's single yph on all yfeigen on a	٠
		ral a rally ral s rally ral s rally ral s ralls ralls ralls ralls rall s rall rall	
		atic, and a stic,	,
		1. Traumatic, 2. Sanile, 3. Sanile, 4. Gueral paralysis, 5. With cerebral stybilis, 6. With the cerebral stybilis, 7. With brain tumor, 8. With horing town on nervou 9. Alcoholic, 10. Due to drugs and other ex- 11. With pellagra, 12. With other somatic diseases, 13. Manic-depressive, 14. Involution melancholia, 15. Dementia precox, 16. Dementia precox, 17. Epileptic, 18. Epychoneuroses, 19. With constitutional psycho- 20. With mental deficiency, 21. Undiagnosed,	Total,
		Service Mari	1
		1.9.8.4.7.6.9.9.8.9.1.2.9.1.2.9.9.9.9.9.9.9.9.9.9.9.9.9.9	

Table 12. — Use of Alcohol by First Admissions classified with Reference to Principal Psychoses.

TEMPERATE. UNASCERTAINED.	Males. Totals. Totals. Totals. Totals.	23	16 78 32 11
		1	43
MPERATE	Females.	; ;	11
INTE	Males.	1 - 6 1 1 1 1 - 2 1 1 1 1 1 1 1 1 1 1 1	32
.e.	Totals.	10008	82
CMPERAT	Females.	101-01 1 1 1 1 1 1 1 1 1	16
ABSTINENT. T	Males.	180001118111111811181	62
	Totals.	2002 2012 10 1 1 2 2 1 1 1 0 1 0 1 1 1 1 2 2 2 2 2	181
	Females.	91111 22 23 25 25 1 1 2 1 1 1 2 2 2 2 2 1 1 2 1 2 2 2 2	131
_ V	Males.		22
	Totals.	32333333333333333333333333333333333333	316
TOTAL.	Females.	- 711 - 712 - 722 - 722 - 724 - 724	171
	Males.		145
	Рзусноѕвз.	1. Traumatic, 2. Senile, 3. With cenebral arteriosclerosis, 4. General paralysis, 5. With cenebral syphilis, 6. With Huntington's chorea, 7. With humor, 8. With other brain or nervous diseases, 9. Alcoholic, 10. Due to drugs and other exogenous toxins, 11. With pellagra, 12. With other somatic diseases, 13. Manicedpressive, 14. Involution melancholia, 15. Dementia priccox, 16. Paranoia and paranoic conditions, 17. Epileptic, 18. Sychoneuroses, 19. With constitutional psychopathic inferiority, 20. With mental deficiency, 21. Unidiagnosed, 22. Not insane,	Total,

Table 13.— Marital Condition of First Admissions classified with Reference to Principal Psychoses.

ا ا	Totals.	3	-
UNASCER- TAINED.	Females.		í
UN	Males.		
Ω	Totals.	[HHHH]]]]]]]]	4
Бітовсер.	Females.	111-111111111-111111	7
Dri	Males.	I==:::::::::::::::::::::::::::::::::::	52
Ð.	Totals.		4
Separated.	Females.	1111111144111141111411	4.
SEP	Males.	1131111111111111111111	-
Ö.	Totals.	1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	61
Widowed.	Females.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	41
WI	Males.	10911110110110111111	20
	Totals.	20 5 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	151
Married.	Females.	180148011801802281141114	88
MA	Males.	84888 84 87	89
	Totala.	180111180118214818111148	95
SINGLE.	Females.	0 H H	41
Σ.	Males.	3 1 2 2 2 2 1 2 2	54
	Totals.	332 322 323 30 11 11 12 14 14 14 15 15 15 16 17 17 17 17 17 17 17 17 17 17 17 17 17	316
TOTAL.	Females.	171 172 172 172 172 172 173 174 175 175 175 175 175 175 175 175 175 175	171
T	Males.	212 212 212 114 140 40 40	145
			•
		Traumatic, Senile. With cerebral arterioselerosis, General paralysis, With cerebral syphilis, With brain tumor, With brain tumor, With brain tumor, With other brain or nervous diseases, Alcoholic, Due to drugs and other exogenous toxins, With other somatic diseases, Mand-celepressive, Involution melancholia, Involution melancholia, Epileptic, Epileptic, Explicational paychopathic inferiority, With constitutional psychopathic inferiority, With constitutional psychopathic inferiority, With mental deficiency, Unigarosed,	•
		s, s, coxin	
		Praumatic, Sonle, With oreobral arteriosolerosis, General paralysis, With oreobral syrphilis, With heart utmor, With hean tumor, With hean tumor, With hean tumor, With hear son or nervous diseases, Alcoholic, Due to drugs and other exogenous toxins, With pellagra, With other somatic diseases, Mani-depressive, Mani-depressive, Farichion melancholia, Dementia præcox, Esychonentia præcox, Esychonentia and paranoic conditions, Elydleptic, Esychoneurosso, Choling mental deficiency, With mental deficiency, With mental deficiency, Word insane,	
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	OSES	eros rea, vou r exc sases ,	-
	Psychoses.	ioselilis, cho cho cho cho cho cho cho cho cho cho	
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		raalsa raalsa raalsa raalsa raalsa raalsa raalsa raalsa raa, raa, raa, raa, raa, raalsa raals	
		utic, I pai	
		Traumatic, Senile, With cerebral arterioselerosis, General paralysis, With cerebral syrphilis, With brain tumor, With brain tumor, With brain tumor, With other brain or nervous disea Alcoholic, Due to drugs and other exogenous With other somatic diseases, Mani-celapressive, Involution melancholia, Demertia przecox, Explication melancholia, Paranois and paranoic conditions, Explications, With constitutional psychopathic With constitutional psychopathic Uniquarosed, Not insane.	Total,
1		Sen Wit Wit Wit Wit Wit Wit Wit Wit Wit Wit	Ţ
		1.5.5.4.5.5.7.5.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0	

Table 14. — Psychoses of Readmissions.

Psychoses.		Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,					_	_	_
2. Senile, total,					-	1	1
(c) Delirious and confused states,			1	1			
3. With cerebral arteriosclerosis,	- 1				2		2
4. General paralysis, 5. With cerebral syphilis, 6. With Huntington's chorea,					2	1	3
5. With cerebral syphilis,					_	1	1
7. With nunnington's chorea,	. 1			• •	1	-	
7. With brain tumor,	.				1	-	1
o. With other brain or nervous diseases,	•				_	2	11
Nethothic, total	٠.			3	9	2	11
(c) Korselsow's	.	3	1	3		,	1
(f) Chronic hellucinosis		1		4 2			1
(a) Chronic paranoid type	.	2	1	2	. 1		1
10 Due to drugs and other evogenous toxins	٠ ا	2	_	- 1	_	_ [_
11 With nellagra.	٠ ا				_	_	-
11. With pellagra,					2	_	2
(c) Exhaustion delirium	- 1	i		ii	1 - 1		_
(f) Cardiorenal.		î	_	î			
(f) Cardiorenal,	. 1				11	14	25
(a) Manie type,	.	8	7	15			
(b) Depressive type,	.	2	3	5			ł
(d) Mixed type,	.	- 1	3	3			
(e) Circular type,	- 1	1	1	2			
(a) Manie type, (b) Depressive type, (d) Mixed type, (e) Circular type, (14. Involution melancholia, (15. Dementia præcox, total,	.				-	1	1
15. Dementia præcox, total,	. 1				24	10	34
(a) Faranoid type	.	13	8	21			
(b) Katatonic type,	.	2	1	3			
(c) Hebephrenic type,	·	8	1	9		- 1	
(b) Katatonic type, (c) Hebephrenic type, (d) Simple type, 16. Paranoia and paranoic conditions,	.	1	-	1			
	·			· ·	- 1		2
17. Epileptic, total,	.			. ;	1	1	2
(a) Deterioration,	·	1	1	1 1			
(b) Clouded states,	.	1	_	1	1	2	3
(a) Deterioration, (b) Clouded states, (c) Psychoneuroses, total, (d) Psychasthenic type, (e) Neurasthenic type,	.		·i	i	1	2	3
(c) Naurasthania type,	.	1	1	2			
				-	_		_
20 With mental deficiency	. [_	_	_
21. Undiagnosed					1	_	1
22. Not insane, total.		: :			î	_	i
20. With mental deficiency,	. 1	i	-	i	1		_
, , ,							
. Total					55	33	88

Table 15. — Discharges of Patients classified with Reference to Principal Psychoses and Condition on Discharge.

i i		1	ı
NE.	Totals.	11111111111111111111111	9
Not Insane.	Females.		62
ŭ	Males.	111111111111111111111	4
ED.	Totals.	1877 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	32
Unimproved.	Females.	[a]]]]]]]]]	14
Uni	Males.	11111011416-11111	81
	Totals.	110011110011111111111111111111111111111	83
IMPROVED.	Females.	1-1111100011-00-411111-11	26
Ā	Males.	1101111-211101-1001-11	37
æ.	.slatoT	111111111111111111111111111111111111111	64
Весоуевер.	Females.	1111111444118	21
RF	Males,	11 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1	43
	.elstoT	—444— ωάα μΦας ω∞ ω Φ	165
TOTAL.	Females.	10011111000010001041010	63
	Males.	H-4-1 1-8-1 62 4 64 1-14	102
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		eases, us toxins, us toxins, is,	
		S, S, OXIII	
		easee aus t aus, as,	
	185		•
	Рѕтсноѕъѕ	Traumatic, Senile, With cerebral arteriosclerosis, General paralysis, With cerebral syrphilis, With Huttington's chorea, With hain tumor, With hain tumor, With hore brain or nervous diseases, Alcoholic, Due to drugs and other exogenous toxins, With pellagra, With other somatic diseases, Manoclepressive, Involution melancholia, Involution melancholia, Epileptic, Epileptic, Exploneuroses, With constitutional psychopathic inferior With mental deficiency, Undiagnosed,	٠
	SYCI	Fraumatic, sonile Whit cerebral arterioscierosi General paralysis, General paralysis, Mit herebral srybhilis, With hain tumor, Mith other brain or nervous Mith pellagra, Hotholdic, Mith pellagra, Mith pellagra, Mith pellagra, Mith pellagra, Mith cuter somatic diseases, Mith pellagra, Mith cuter somatic diseases, Mith pellagra, Mith pellagra, Mith pellagra, Mith pellagra, Mith pellagra, Mith pellagra, Mith pellagra, Mith pellagra, Mith pellagra, Mith moustitutional psychop With constitutional psychop Mith mental deficiency, Mith	
	д	Traumatic, Senile, With cerebral arteriosel General paralysis, With cerebral syphilis, With cerebral syphilis, With cerebral syphilis, With Prain tumor, With hrain tumor, With hrain tumor, Toue to drugs and other With pellagra, With pellagra, With pellagra, With pellagra, With pellagra, Due not drugs and other somatic dise Manic-depressive, Involution melancholia, Dementia precox, Paranoia and paranoic of Epileptic, With constitutional psy With mental deficiency, Undiagnosed,	
		al arterial arterial alvais, alysis, alysis, alsyphological symmetry brain or brain or brain or brain or brain or brain or brain or brain or brain or brain, or brain, or brain, d paran d paran arecox, d par	
		raumatic, sonile, conile, conile, conile, control paralys dentrol paralys (With cerebral sylth cerebral sylth cerebral sylth brain tum (With pellagra, lout of drugs allowed con dentrol paralysts, other son dentrol paralysts, with the pellagra, with the person of the condition mellagra, with control paralysts and properation of the condition mellagra, sylth control and properation of the condition mellagraphic, sylth mental design of the constitution of the control of	
		masimal masima	tal,
		Traumatic, Senile, With cerebral arter With cerebral syph With cerebral syph With thutnington's With hain tumor, With hain tumor, With haloholic, Due to drugs and With pellagra, With pellagra, Manic-depressive Involution melandic Dementia prezox, Paranoia and para Epileptic, Epileptic, With constitutional With mental deficit With constitutional With mental deficit With mental deficit With mental deficit With mental deficit With mental deficit With mental deficit	Total,
		220. V V FE FE I I I I I I I I I I I I I I I I I	

Table 16. — Causes of Death of Patients classified with Reference to Principal Psychoses.

			•			
	WITH BRAIN TUMOR.	Totals.	1111111111	1-1111111		
		Females.	1111111111	111111111		
		Males.	11111111	[-][[[[]]]		
	WITH HUNTINGTON'S CHOREA.	Totals.	111111111	1111111111		
		Females.		111111-111		
		Males.	111111111	111111111		
	WITH CEREBRAL SYPHILIS.	Totals.		[] [[[[[[[[[[[[[[[[[[
		Females.	1111111111	1 1 1 1 1 1 1 1 1 1 1		
		Males.	1111111111	1 [1 1 1 1 1 1 1 1		
ES.	IS.	Totals.	11111-11111	11111831111		
Рвусновы	GENERAL PARALYSIS	Females.	11111-1111	1111101111		
Ps	GE PA1	Males.	1111111111	17		
	WITH CEREBRAL ARTERIO- SCLEROSIS.	Totals.	1111111	11.5611111111		
		Females.	1111111111	1181111111		
		Males.	111111111	118111111		
	SENILE.	Totals.	11101111111	1101111111		
		Females.	1111111111	1 1 1 1 1 1		
		Males.	111-111111			
	TRAUMATIC.	Totals.	111111111	111111111		
		Females.				
		Males.	111111111			
	_	Totals.	-2	11841811112		
Total.		Females.	124144846	1111613211		
	Males.			111111111111111111111111111111111111111		
		•		,		
	CAUSE OF DEATH.		General Diseases. Carcinoma of gall-bladder, Carcinona of rectum, Carcinona of rectum, Exyspiels of lear, Exphipals of lear, Cutis media, soute, Pellagra, Tuberculosis, acute miliary, Tuberculosis, renal, Tuberculosis, renal, Tuberculosis, renal, Tuberculosis, renal, Tuberculosis, renal,	Amyotrophic lateral sclerosis, Brain tumor (glioma), Cerebal hemorrhage, Creebrospinal syphilis, Exhaustion from mania, General paralysis of the insane, Huntington's chorea, Paralysis agitans, Status epilepticus,		

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Circulatory Syste Cerebral arteriosclerosis, Cerebral anteriosclerosis, Cerebral thrombosis, Chronic endocarditis, General arteriosclerosis, Myocarditis, acute, Myocarditis, chronic,	Respiratory System. Bronchitis, chronic, Gangrene of lungs, Pneumonia, broncho, Pneumonia, hypostatic, Pneumonia, lobar,	Digestive System. Cirrhosis of liver, Diarrhœa and enteritis, Tubercular enteritis,	Genitourinary Sys Nephritis, chronic intersi Nephritis, chronic parenc	Diseases of the Shane of foot,	Violence. Crushed by ox cart (freshull),	
Circulatory Si Cerebral arterioscleros Cerebral embolismi, Cerebral thrombosis, Chronic endocarditis, General arterioscleros Myocarditis, acute, Myocarditis, chronic,	Respiratory Bronchitis, chronic Gangrene of lungs, Pneumonia, broncl Pneumonia, hypos	estive iver, i ent iterit	wring ronic ronic	Diseases of the Gangrene of foot,	Viole ox c	
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Table 16. — Causes of Death of Patients classified with Reference to Principal Psychoses — Continued.

	DEMENTIA PRÆCOX.	Totals.	
		Females.	111111111111111111111111111111111111111
	DEM PR	Males.	
	INVOLUTION MELANCHOLIA.	Totals.	
		Females.	1111111111 1111
		Males.	1111111111 131113111
	MANIC- DEPRESSIVE.	.slatoT	[[[[[[[]]]]]]]]
		Females.	11111111111 311111111
		Males.	111111111111111111111111111111111111111
	es es	Totals.	
	WITH OTHER SOMATIC DISEASES.	Females.	100-1-11111-1 111111111
SES.	WITH SON DISE	Males.	THATTATE AND THE TABLE
Psychoses.		Totals.	
P.	WITH PELLAGRA	Females.	111111111111111111111111111111111111111
		Males.	1111111111 111111111
	DUE TO DRUGS AND OTHER EXOGENOUS TOXINS.	Totals.	
		Females.	11111111111
	ALCOHOLIC. BXOO FOOT	Males.	111111111111111111111111111111111111111
		Totals.	11111111111 1101111111
		Females.	1111111111
		Males.	11111111111 1101111111
	WITH OTHER BRAIN OR NERVOUS DISEASES.	Totals.	
		Females.	11111111111
		Males.	11111111111 1114111110
	!		
	CAUSE OF DEATH.		Garcinoma of gall-bladder, Carcinoma of gall-bladder, Carcinoma of gall-bladder, Carcinoma of stomach, Expsphas of leg. Exophthalmic gotter, Ottis media, acute, Pellagra, Tuberculosis, acute miliary, Tuberculosis, pulmonary, Tuberculosis, inclumonary, Tuberculosis, inclumonary, Tuberculosis, inclumonary, Tuberculosis, renal, Tuberculosis, renal, Tuberculosis, pulmonary, Tuberculosis, pulmonary, Tuberculosis, renal, Tuberculosis, ceral Expansion from mania, General paralysis of the insanc, Huntington's chorea, Paralysis agittans, Status epilepticus,

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Circulatory System arteriosclerosis, embolism, thrombosis, endocarditis, arteriosclerosis, itias, acute, itis, ohronic, .	Respiratory Syster tis, chronic, ne of lungs, nia, broncho, nia, hypostatic, nia, lobar,	Digestive System of liver, a and enteritis, ar enteritis, .	<i>urinc</i> ronic onic	Diseases of the Skine of foot,	Viole ox c	
Circa arter emb thro ando arter itis,	Respiration of the contract of	Dige of li	s, chi	isea, of f	by .	_
Circulatory Syste Cerebral arteriosclerosis, Cerebral anhobism, Cerebral thrombosis, Chronic endocarditis, General arteriosclerosis, Myocarditis, acute, Myocarditis, chronic,	Respiratory Syst Bronchitis, chronic, Gangrene of lungs, Preumonia, broncho, Preumonia, hypostatic, Preumonia, lobar,	Digestive Syster Cirrhosis of liver Diarrhœa and enteritis, Tubercular enteritis,	hritis hritis	Diseases of the Gangrene of foot,	thed	Total,
Cere Cere Con Myo yo	Brot Gan Pner Pner	Cirr Diar Tub	Genitourinary Syste Nephritis, chronic intersti Nephritis, chronic parench	Gan	Violence. Crushed by ox cart (frac skull),	

Table 16. — Causes of Death of Patients classified with Reference to Principal Psychoses — Concluded.

									1	Рвусноѕев.	SES.									
CAUSE OF DEATH.	A N C	PARANOIA AND PARANOIC CONDITIONS.	OIA ANOIC ONS.	EPI	EPILEPTIC.	<u>.</u>	PS	PSYCHO- NEUROSES.		WITH CON- STITUTIONAL PSYCHOPATHIC INFERIORITY.	WITH CON- STITUTIONAL SYCHOPATHIC		VITH MENTA DEFICIENCY	WITH MENTAL DEFICIENCY.		UNDIAGNOSED.	SED.	NOT	NOT INSANE.	pi
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females. Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Géneral Diseases. Carcinoma of gall-bladder.			1	1	ı	1	ı	1	ı	- 1	1	ı			1	1	1	ı	1	1
Carcinoma of rectum,	<u>'</u>	 	1	'	1	i	1	1	1	í	1	ı			1	1	1	1	1	1
Carcinoma of stomach,	•	 -	,	1	1	1	1	ī	1	1	1	1	1	-	1	ı	ı	ł	ı	ı
Errysipelas of leg,	<u>.</u>			ı	ı	ı	ī	ı	ı	ı	1	1	1		_		1	ı	ı	ı
Exophthalmic golter,	-	-		1 1	1 1	1 1		1 1	ı		1	1 1		1 1	1 1	1	1 1	1 1	1 1	1 1
Pellagra.				1	1	ı	· I	· i	1	1	1 1	1	-	_	_		1	ı	1	1
Tuberculosis, acute miliary,		1		1	ı	1	1	,	1	- 1	1	1	ı	_		1	1	1	1	ı
Tuberculosis, pulmonary,	_	 	1	1	ı	ı	1	ı	1	ı	ı	1	1	1	1	1	1	ı	1,	ţ
Tuberculosis, renal,		1	1	1	1	1	ı	1	ı	1	1	1	1	1	1	1	ı	ı	ı	ı
lar meningitis,	<u>.</u>	1	1	ı	1	ı	ı	1	1	ì	1	ı	ı	1		1	ı	ı	1	ı
Nernous Sustem							1	ı	ı	1	1	1	1	1	1	ı	ł	1	ı	ı
Amyotrophic lateral sclerosis,		1	1	1	1	ī			-		_						-0	_		
Brain tumor (glioma),	•	1	1	ı	ı	1	1	ı	1	ı	1	1	1	1	1	ı	1	ı	ī	1
Cerebral hemorrhage,		 	1	ī	1	ı	1	1	1	1	1	1	1	 -	1	1	ı	1	1	ı
spinal syphilis,	<u>.</u>	1	1	ī	1	1	1	,	1	ł	ı	-	1	1		ſ	ı	1	1	i
Exhaustion from mania,	_	1	1	ī	1	1	1	1	1	ı	1	1	-	1	1	1	t	ı	1	1
General paralysis of the insane,	•	1	ı	1	1	ı	1	1	1	1	1	1	1	1	1	1	1	1	, j	ı
Huntington's chorea,	•	1	1	1	1	1	1	1	1	1	1	1	1	1	1	t	ı	ı	ī	1
Paralysis agitans,	•	1		ı	ı	ı	ı	ı	ı	1	ı	1	ı	<u>'</u>	1	1	1	ı	ı	ı
Status epilepticus,	•	1	1	ı	1	ı	ı	ı	1	1	1	1	1	1	1	ī	ı	ı	ı	ı
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Cerebral arteriosclerosis, Cerebral arteriosclerosis, Cerebral embolism, Cerebral thrombosis, Chronic endocarditis, General arteriosclerosis, Myocarditis, acute, Myocarditis, chronic,	Respiratory System. Gangrene of lungs, Preumonia, broncho, Preumonia, hypostatic, Preumonia, hypostatic, Preumonia, lobar,	Digestive System. Cirrhosis of liver. Diarrhosa and enteritis, Tubercular enteritis,	Genitourinary System. Nephritis, chronic interstitial, Nephritis, chronic parenchymatous,	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Violence. Crushed by ox cart (fracture of skull),	Total,
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Table 17. — Age of Patients at Time of Death classified with Reference to Principal Psychoses.

		Totals.	111941111111111111111111111111111111111
	40-44.	Females.	1118=11=11=11=11
	₹	Males.	111001111111111111111111111111111111111
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		Totals.	11;11;1;11;1;10;11;11;10
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X	22	Males.	111111111111111111111111111
		Totals.	11111111111110111111
	20-24.	Females.	1111111111111111
	Ä	Males.	11111111111111
		Totals.	11111111111111111111111
	15-19.	Females.	11111111111111111111
	1	Males.	
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	TOTAL.	Females.	10111001100111111111
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			1. Traumatic, 2. Senile, 3. With cerebral arteriosclerosis, 4. General paralysis, 5. With cerebral syphilis, 6. With Huntington's chorea, 7. With brain tumor, 8. With other brain or nervous diseas 9. Alcoholic, 10. Due to drugs and other exogenous 11. With pellagra, 12. With other somatic diseases, 13. Manio-depressive, 14. Involution melannholia, 15. Dementia precox, 16. Paranoia and paranoic conditions, 17. Epileptic, 18. Paychoneuroses, 18. Psychoneuroses, 19. With mental deficiency, 20. With mental deficiency, 21. Undiagnosed, 22. Not insane,
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		,	11. 11. 11. 12. 12. 13. 13. 14. 14. 17. 17. 17. 17. 17. 17. 17. 17. 17. 17

Table 17. — Age of Patients at Time of Death classified with Reference to Principal Psychoses — Concluded.

		Totals.	1 (11111110001)	17
1	OVER 80.	Females.	[64	=
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		Totals.	1884	8
	75-79.	Females.]=@[[[][[][]]]	-
	2	Males.	10100	=
		Totals.	1-011-1-1111101111011	15
	70-74.	Females.	1-01-1-1111110011111	2
		Males.	1144111111111111111	2
		Totals.	140111111111	16
	65-69.	Females.	100-11111111111111111111111111111111111	60
IRS.		Males.	100011111111111111111111111111111111111	13
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	60-64.	Females.	+1-11111111111111111111111	-
	.0	Males.	11)	7
		Totals.	1188-111618	12
	55-59.	Females.	11111-110111112-1111	9
	rc,	Males.	i i ∞ ⇔i i ⇔i i i i i i i i i i i i i i	9
		Totals.	11-9-11-0-11-11-11-1	15
-	50-54.	Females.	11199111119911111111111	4
	.10	Males.	11-1-11-11-11-11-11-11-11-11-11-11-11-1	11
		Totals.	1114111011-04-1-111111	12
	45-49.	Females.	111111411	9
	,	Males.		9
				•
•				
			Traumatic, Sanile, With cerebral arterioselerosis, With cerebral arterioselerosis, General paralysis, With cerebral styphilis, With develoral styphilis, With thratington's chorea, With brain tumor, Mith other brain or nervous diseases, Alcoholic, Due to drugs and other exogenous toxins, Pellagra, With other somatic diseases, With other sematic diseases, Involution melancholia, Dementia precox, Expanoia and paranoic conditions, Paranoia and paranoic conditions, Psychoneuroses, With constitutional psychopathic inferiority, With mental deficiency. Not insane,	
l			Traumatic, Sanile, With cerebral arterioselerosis, With cerebral syphilis, With brain tumor, With brain tumor, With brain tumor, With hand of chees, With other brain or nervous diseases, Alcoholie, Due to drugs and other exogenous toxins, Pellagra, Manic-depressive, Involution melancholia, Dementia pracox, Dementia pracox, Dementia pracox, Dementia pracox, Dementia pracox, With constitutional psychopathic inferior With mental deficiency, With mental deficiency, With mental deficiency, With mental deficiency, Undiagnosed,	
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			Traumatic, Saeile, With cerebral arteriosclerosis, General paralysis, With cerebral srphilis, With Prain tumor, With thantington's chorea, With thantington's chorea, With other brain or nervous diseases. Alcoholie. Due to drugs and other exogenous to Pellagra, With other somatic diseases, Manic-depressive, Involution melancholia, Dementia prezox, Paranoia and paranoic conditions, Paranoia and paranoic conditions, Paranoia and paranoic with mental deficiency, With constitutional psychopathic infe With mental deficiency, Undiagnosed,	Total,
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		,	1.4.6.4.6.6.9.9.011.2.6.4.6.1.8.2.0.1.8.	

Table 18. — Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses.

Table 18. — Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses — Concluded.

I	1	Totals.	1111111111111
	20.	Females.	
		Males.	.
		Totals.	1
	15-19.	Females.	1011111111111111111111111
	٦	Males.	111111111111111111111111111111111111111
		Totals.	1141111111111011111114
	13-14.	Females.	111111111111001111111
		Males.	11-1111111111-0
		Totals.	11111111111111
YEARS.	11-12.	Females.	11111111111111
X	-	Males.	11111111111111111111111
		Totals.	103
	9-10.	Females.	10111111111111111111111111111111100
		Males.	111111111111111111111111111111111111111
		.slatoT	11-11111-11110111111
	7-8.	Females.	114111111111111111111111111111111111111
		Males.	
		Totals.	[] [[[[[[[[[[[[[[[[[[
	5-6.	Females.	113111111111111
•		Males.	111411141111111111111111111111111111111
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			Traumatic, Senile, With cerebral arteriosclerosis, General paralysis, With cerebral syphilis, With thautington's chorea, With brain tumor, With other brain or nervous of Alcoholic, Due to drugs and other exoge With other somatic diseases, With other somatic diseases, With other somatic diseases, Manic-depressive, Involution melanchin, Demential precox, Peranoia and paranoic condit Epileptic, Psychoneuroses, With mental deficiency, Undiagnosed, Not insane,
			122.84.6.95.89.12.21.12.99.8.4.9.9.9.12.21.12.9.9.9.9.9.9.9.9.9.9.9.9.
1			111111111111111111111111111111111111111

Table 19. — Family-care Department.

and the state of t		Males.	Females.	Totals.
Remaining Oct. 1, 1917,		4	25	29
Committed within the year,		1	2	3
Whole number of cases within the year,	` .	5	27	32
Dismissed within the year,		2	10	12
Returned to institution,		2	9	11
Discharged,		-	-	-
Died,		-	1	° 1
Escaped,		-	-	-
Remaining Sept. 30, 1918,		3	17	20
Supported by State,		-	13	13
Private,		2	3	5
Self-supporting,		1	1	2
Number of different persons within the year, .		4	25	29
Number of different persons admitted,		1	2	3
Number of different persons dismissed,		2	10	12
Daily average number,		2.84	20.73	23.57
State,		-	14.23	14.23
Private,		2.15	5.40	7.55
Self-supporting,		.69	1.10	1.79

SIXTY-FOURTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1919



BOSTON
WRIGHT & POTTER PRINTING CO., STATE PRINTERS
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1920

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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

LUKE CORCORAN, M.D., Chairman,		. SPRINGFIELD.
Mr. CHARLES W. KING		. CHICOPEE FALLS
Mr. EDWARD C. GERE		. NORTHAMPTON.
ME. HARRY L. HOWARD		. HATFIELD.
Mr. JOSEPH W. STEVENS. Secretary.	-	. GREENFIELD.
MRS. EMILY N. NEWTON		. HOLYOKE.
MISS CAROLINE A. YALE		. NORTHAMPTON.

RESIDENT OFFICERS.

HIDIDEN.		11101		
JOHN A. HOUSTON, M.D., .				Superintendent.
EDWARD W. WHITNEY, M.D.,				Assistant Superintendent.
ANGELA BOBER. M.D	-			Senior Assistant Physician.
ARTHUR N. BALL, M.D.,			-	Senior Assistant Physician.
 ,				Assistant Physician.
				Assistant Physician.
HARRIET W. WHITNEY, M.D.,			-	Physician to Out-patient and Social Service De- partments.

NONRESIDENT OFFICERS.

Mr. LEWIS F. BABBIT	T.:	-	-	-	-	Treasurer and Clerk (office at the hospital).
F. W. SMITH						Steward.
P. W. STONE. D.D.S.,	-		-	-		Dentist.

HEADS OF DEPARTMENTS.

MR. L. W. SINCLAIR			Engineer.
Mr. R. OLIN ROBIE			Former.
Miss S. E. WARREN		-	Matron.
Miss LILLIAN S. GRAY.	-		Social Service Worker.
			Director of Corupation
			Thereps.

CONSULTING BOARD OF PHYSICIANS AND SURGEONS.

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W. J. COLLINS. M.D		-		NORTEAUPTON.
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R. H. SEELYE. M.D.,	-			SPRINGFIELD.
H. T. SHORES. M.D	-		-	NOBIEAMPIUN.



The Commonwealth of Massachusetts

TRUSTEES' REPORT.

To His Excellency Calvin Coolidge, Governor of the Commonwealth, and the Honorable Council.

The trustees of the Northampton State Hospital present as follows the annual report for the year ending Nov. 30, 1919, including as a part of it the reports of the superintendent and of the treasurer.

The treasurer's report shows that there was expended for maintenance \$308,615.59, and that \$35,693.23 of the appropriation for maintenance reverted to the State treasury.

Our receipts during the year were: from board of patients, \$64,551.37; from sales, \$4,647.96; from miscellaneous sources, \$1,765.09, making a total of \$70,964.42, which sum being deducted from the amount expended leaves \$237,651.17. The daily average number of patients was 968.95; the net weekly per capita cost was \$6.1251.

The two nurses' homes, for which a special appropriation was made in 1918, have been practically completed and are nearly ready for use.

From the superintendent's report it will be noted that our condition of overcrowding continues despite the many patients, 92 in number, transferred to institutions in the eastern part of the State. We still believe that our hospital should care for all the patients of the district served by it, and we refer to the recommendations repeatedly made in former reports for suitable provision within the district for all the mental cases of western Massachusetts. This matter is so important that we feel it our duty to again call attention to it. The present conditions are not just to the institution nor to the patients who are here and the patients who are to come to us.

Another matter of serious importance is the unsatisfactory scale of salaries and wages. It is at present so unsatisfactory as to preclude our procuring and retaining in our service enough employees to properly care for our patients. For quite obvious reasons it was impossible to fill our quota of employees during the period of war; but the great shortage of help still prevails, and from other causes that are remediable. We cannot compete with the industrial world. Employees leave us to receive more pay elsewhere, and the wages we are allowed to pay will not tempt others to fill their places. The faithful few who remain, therefore, have to do more than their share. The hospital is still in need of help in every department, and we urge that we be allowed to pay at least what is paid for like services in the neighborhood.

A piece of property on the corner of Grove and Laurel streets has been offered to us at what we consider a reasonable price. This property fronts on two streets; on the two other sides it is surrounded by hospital property. The hospital needs it for future development and to prevent its falling into the possession of others. Adjoining it is another piece almost entirely surrounded by hospital property except on the side toward the street. These two pieces have houses and barns, both of which will be useful to us. The houses especially will be found helpful in solving the housing problem for employees.

The following matters concerning the future welfare and development of the institution have been considered by us, and requests for appropriations to provide for them have been made through the Department of Mental Diseases:—

Boiler feed controllers for three water tube boilers, desirable for maintaining a flow of water to the boilers proportionate to the water evaporated, which is practically impossible with hand feeding, thus assisting the firemen in maintaining a constant furnace temperature necessary for complete combustion of fuel. All up-to-date steam plants having water tube boilers have some type of automatic water feed controllers.

 CO_2 recording apparatus to furnish a continuous record of furnace temperatures.

Pipe covering for 6-inch steam main and $3\frac{1}{2}$ -inch return pipe from the engine room to the three halls south and the south infirmary.

Covering for pipes in the south infirmary heating system, and for the pipe to the coach barn.

An irrigation system to irrigate 5 acres of our garden plot, thus to save loss of crops from drought and to increase the yield per acre. In 1918 we suffered much from drought, and this present year early in the season we lost practically all of our onion crop, and the other early crops suffered from the same cause.

A sprinkler system to afford fire protection in the attics of our main buildings and the wings occupied by patients.

A 50-kilowatt generator for transforming our 110-volt direct current to a high voltage alternating current, for long distance, for the following purposes: to supply lights for our roadways, sidewalks and grounds, and the houses at a distance from the hospital, all of which are too far from the generating plant to be supplied with our low potential current; to run the dairy machinery, ensilage cutter, pump at the pump house, the ice machine, the stone crusher and the like.

One 25-horsepower motor for driving the stone crusher, and one for driving pumps for an irrigation system.

A cable for the street lights to run from the corner of the south courtyard to the main gate to replace a broken-down cable, which has been out of use the past year. A cable for the light and power from the engine room to the south infirmary fan room to replace an old underground cable which is nearly useless, and to provide additional capacity required to supply the new nurses' homes.

A 22-inch sliding head upright drill press to replace a worn-out 16-inch press.

A machine shaper to be used for flat surface work or new work, such as resurfacing steam pump valves and seats, steam pipe flanges, for cutting keyways, and the like.

A sensitive drill for light high speed work that cannot be done on a heavy power drill.

A concrete mixer for construction of sidewalks, foundations and building work, such as an institution of this kind has much need of.

Our associate, Mr. McQuaid, felt it his duty to resign, much to our regret, because his removal from the district prevented his regular attendance at our meetings. He took an active interest in the institution and its patients, being one of our most regular attendants. We shall miss the intelligent co-operation and the cordial relationship that existed between us. Mr. Charles W. King of Chicopee was appointed to fill the vacancy thus created, entering upon his duties in October.

Dr. Arthur N. Ball, senior assistant physician, and Dr. Philip Stone, dentist, who were granted leave of absence last year to enter the service of the government, were honorably

discharged, returning to our service, Dr. Ball in July and Dr. Stone in February.

During the greater part of the year the medical work of the institution was done with half of our quota of physicians. For months there was but one physician on each side of the hospital. Happily the services of the physician to the outpatient department were available, and she rendered excellent service in both the male and female departments.

In February Dr. Lilla Ridout was appointed to a position on our staff, but left before she had learned her duties, and in March Dr. Jean Christie was appointed, but she resigned to accept a more lucrative position before she had become at all helpful.

At the time of making this report there are two vacancies on our staff.

It is with sorrow that we record the death of Mr. L. F. Babbitt, our treasurer and steward. He had been connected with the hospital for nearly twenty-eight years, coming here as steward in 1891, and acting as assistant treasurer till 1897, when he was made treasurer. He fulfilled the duties of these two positions faithfully and well. He was strictly honest, painstaking and of excellent judgment, always looking to the best interests of the hospital. He was a valued official, and he will be greatly missed. Mr. Frank W. Smith was appointed steward in his place. For the present the superintendent is acting as treasurer.

LUKE CORCORAN, M.D. CHARLES W. KING. EDWARD C. GERE. HARRY L. HOWARD. JOSEPH W. STEVENS. EMILY N. NEWTON. CAROLINE A. YALE.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

Herewith is presented the report of the management of the hospital for the statistical year ending Sept. 30, 1919, and the fiscal year ending Nov. 30, 1919.

On Oct. 1, 1918, there were 1,009 patients under treatment in hospital and in family care; 463 were admitted during the year, making a total of 1,472 under treatment, which was 87 more than were cared for last year. In addition there were at the beginning of the year 144 out on visit and 16 on escape, making a total of 1,632 on our books, as shown by the statistical tables.

The daily average number in institution and in family care was 992.4, which is fewer than last year by a small number. The largest number under care on any one day was 1,022.

Of the 463 admissions, 100 had been here previously or in some other hospital, so that the number who were admitted for the first time to any hospital was 363. Of these, 156 were foreign born and 228 were of foreign parentage.

The following races were among those represented: Irish, 77; French, including French Canadian, 43; Slavonic, 37; Italian, 17; German, 16; English, including Canadian, 8; Magyar, 5; Scandinavian, 4; Scotch, 4; Greek, 5; Syrian, 2.

The average age of patients first admitted to any hospital was forty-six years, six months; 34 were between seventy and eighty years of age; and there were 16 over eighty years.

Only 118 cases admitted were of the forms of mental disease from which recoveries confidently may be expected, — 76 of manic-depressive psychoses, 36 of somatic psychoses, and 6 of psychoneuroses.

About 51 per cent had one of the forms of psychosis generally considered unfavorable for recovery, as follows: 138 cases of dementia præcox; 45 of cerebral arteriosclerosis; 29 of

senile psychoses; and 25 of general paresis and other syphilitic psychoses.

There were 39 cases in which alcohol was the principal etiological factor. There was a marked decrease in the number of cases from this cause as compared with previous years. Of these there were 12 acute cases this year, 18 cases a year ago, and 64 two years ago.

Three of the women admitted had pellagra, two of whom apparently recovered and are now at home doing well.

During the past year there were 167 admissions under the temporary-care act, of which number 145 were committed at the expiration of the ten days' period, and 17 others were committed for definite periods of observation, varying from thirty to ninety days. The number of voluntary admissions was 23 (of which number 12 had been here before, both committed and voluntary).

The number dismissed during the year was 417. Included in these were 119 patients who were away from the hospital on probation at the beginning of the year, and who, being well enough to remain away, were discharged at the end of their period of probation. Of the 417 patients discharged, 58 were considered recovered, 67 as improved, 47 as unimproved, and 16 were classified as not insane.

One hundred and thirty-seven patients died within the year. The principal causes of death were cerebral hemorrhage and cerebral arteriosclerosis, 42; influenzal broncho-pneumonia, 24; general paralysis and other syphilitic psychoses, 16; pulmonary tuberculosis, 8; chronic nephritis, 6; chronic myocarditis, 5; cerebral neoplasm, 3; diabetes mellitus, 3. At the end of the year 189 patients were away from the hospital on probation, and 20 were in family care.

In addition to the above numbers discharged, allowed to leave on visit and died, 92 were transferred to relieve our overcrowding, — 72 to Grafton State Hospital; 10 to Gardner State Colony; 6 to Monson State Hospital; 2 to Massachusetts School for the Feeble-minded; 1 to Worcester State Hospital; and 1 to Tewksbury.

Medical service throughout the year has been more arduous

than in any other recent year because of increased amount of work with a smaller staff.

During a larger part of the year there was but one assistant physician on each service, male and female, and the physician to the out-patient department, who gave up her special work to help in ward work in each service as required. The number of patients to be cared for was larger than ever, and we had a serious epidemic of influenza to deal with, affecting not only patients, but employees and three of the four physicians, including the superintendent. We were fortunate in having Dr. Paine of the Commission on Mental Diseases to help us during our extremity, to our great relief and to our great appreciation.

All the members of the staff deserve my commendation for their loyal attention to the extra demand upon them during this whole period. It is "no idle job" for one physician to have the care of 500 patients, admitting nearly half as many more, making the mental examinations, writing case histories, prescribing for them, attending to night calls, waiting upon visitors, replying to letters and telephone calls, making routine analyses, tests and vaccinations, lecturing to the nurses, attending to the clinics, and the like.

We have kept up our extraneous activities, holding clinics regularly at Springfield, Greenfield and Pittsfield, except during the period of quarantine, and opening a new one at North Adams, and entertaining with lectures and demonstrations classes in sociology, also in abnormal psychology, from Smith, Mount Holyoke and Amherst Colleges and the International College at Springfield. A second course of lectures with demonstrations was given to students of the Smith College Training School for Social Work, and a course of lectures on psychiatry was given to the nurses of the Dickinson Hospital.

By a rather rigid quarantine we seemed likely for several weeks to escape the serious epidemic of influenza, which was sweeping over the country. We early gave injections of vaccine to half of our population, it being then an untried measure. During the recurrent wave of the epidemic, entrance to the

institution was gained through employees who had come in contact with it outside and through numerous patients who had the disease on admission, — in some of the latter, in fact, the psychosis was caused by the influenza. The vaccine given did not seem to influence or control the situation in our hospital. We had altogether 182 cases among the male population, of whom 18 were employees. Thirty-one of these developed broncho-pneumonia. Among the women there were 69 cases, 22 of whom were employees. Thirty-one of these had broncho-pneumonia. Of the total 251 cases 21 died, one of whom was an employee.

Of 197 patients whose blood was examined to determine the presence or absence of syphilis the blood was found positive in 30 cases; negative in 156; doubtful in 11. Of 138 spinal fluid tests 24 were found positive; 108 negative; 6 doubtful.

The out-patient and social service activities, so well begun here nine years ago, have steadily increased in extent and importance, showing that such a need existed and that our efforts have been appreciated. To meet the growth of this important work we appointed an additional social service worker, Miss Lillian S. Gray, who came to us in March. She is a graduate of Vassar College, and was a member of the Smith College Training School for Social Work in 1918, completing her training with a course at the Massachusetts General Hospital before coming to us.

Our experience has shown us a clear need of a medical worker in this field. Court cases, examinations of cases and certifications for commitment to the schools for the feeble-minded, consultations with reference to commitment, or otherwise, to a State hospital, and the like, can best be done by a physician who is also trained in social service work. Massachusetts has been looked up to for its progress in these directions. As this report is being written, an intimation is made that economy may require some curtailment of our work, which would be regrettable.

The following, nearly in the words of the two officers in the outpatient department, gives only a brief outline of our activities.

Work was much curtailed in the out-patient department early in the year. The hospital was quarantined because of the influenza, and the physician was engaged in ward work because of the depletion of the male staff, and also during the epidemic of influenza in the hospital.

Few applications were received for boarding patients, and some of those already in family care were returned to the hospital because of the increased cost of living.

The clinics at Springfield, Greenfield and Pittsfield have been found increasingly useful in the communities they serve, and an additional one has been established in North Adams, where we are meeting with the heartiest co-operation on the part of physicians, board of health and the various charitable and public welfare organizations. The Springfield clinic is now held in the rooms of the board of health in the municipal building. The improved surroundings and more accessible location have led to more frequent and voluntary reports from paroled patients.

One hundred and one cases were seen in consultation, 52 males and 49 females. Of these, 74 were examined because of suspected feeble-mindedness or delinquency, and 27 were neurasthenic or psychotic.

The State schools for the feeble-minded are overcrowded, and the waiting lists so long that it is only the younger and teachable children who can be received. There is a large number of adult or adolescent morons who are a menace to society if left at liberty in the community, but who are capable of regular employment under supervision. They cannot be received in the State schools, and it would seem that an industrial institution for such defectives would safeguard the community as well as the individual. The males are those arrested for petty crimes, and some of them were draft evaders or deserters from the army. Many of the girls become illegitimately pregnant at an early age.

The short-time limit permitted by law between the examination and commitment of the feeble-minded is a decided hardship in our experience. In some cases our physician makes long trips to examine these people. An application to the superintendent of the school is then necessary, and usually by the time a reply has been received a second examination is necessary before the case can be taken to court. If this second

examination is refused by parents or the individual, further action cannot be taken.

The conclusion of the statistical year, Sept. 30, 1919, practically marks also the end of the first six months of social service, as the work by Miss Gray was begun on March 23, 1919. During that time a total of 133 cases was considered, which may be roughly divided into six broad classes: boarding-out patients; soldier cases; cases referred for social history; cases referred for social investigation; cases seen at clinics; and special cases.

The class of boarding-out patients is treated statistically in Table No. 19, family-care department. A word might be said, however, in explanation of the apparent standstill in the development of this phase of the work as indicated by that At present it seems very difficult to secure suitable boarding places because of the great advance in the cost of living and the inadequacy of the boarding rate in meeting this problem. Everywhere the same story is heard, that even normal people are having great difficulty in securing boarding places in the country districts and small towns, which seem the best locations in which to place our patients. Very few families are considering taking another member into their group because of the cost of supplies and the difficulty in obtaining them. When the amount paid for the care of patients is not nearly sufficient to provide for their maintenance, families with the necessary high qualifications cannot find it possible to incur the extra expense.

In the last six months 23 cases of discharged soldiers have been considered. All soldiers are referred immediately to social service when they are admitted to the hospital, and as soon as possible thereafter are brought into contact with their local Red Cross chapter. In co-operation with the Red Cross workers, all matters of guardianship, compensation, bonus, insurance, etc., are attended to. These cases have presented some rather difficult problems in which the Red Cross chapters have been of the greatest service.

The majority of the cases referred by the physicians are for social history from outside sources, 26 of this type having been taken up in the six-month period. Occasionally a social prob-

lem is discovered which is helped either by the hospital social service, or is referred to the appropriate agency. The majority of these cases, however, cease to be within the realm of social service after the history is secured.

Social investigations are often closely connected with social histories, either developing from them or including them in the work done. In this period 16 distinct social investigations have been made. This group includes several quite different types. Investigations for recommendations to the judge in special court cases may take any form, due to the nature of the case; another type includes home investigations prior to the discharge of a patient or in connection with the boarding out of a patient; while a third consists of investigations of complaints. In this group are three cases referred by other State hospitals for investigation as they came within the Northampton district.

At the four clinics held in Springfield, North Adams, Greenfield and Pittsfield 22 cases have been considered. This number does not include any cases which are classified in any of the other divisions, such as those referred for history or investigation, although often these patients, their relatives or friends, are interviewed at the clinics. In this division are included chiefly those consultation cases of which a history was taken by the social worker to assist the examining physician, or which were referred to her for some other reason, such as assistance in making application to a school for the feeble-minded, or bringing the case into connection with some outside agency, etc.

The last group may be included under the broad, general heading of special cases, of which 19 have been considered in these six months. In this group come deportation cases on visit, and other cases which have been referred for special supervision after discharge, for arrangements for work, etc. It seems very possible that this group might be greatly increased with benefit to patients on visit, to the hospital and to the community by keeping patients at home as long as possible with assistance in the adjustment of difficulties, or by having them return to the hospital at the first sign of a recurrence of their mental trouble, hastening their recovery and

averting any possible danger. However, this phase of the work can be developed only gradually at present, owing to the greater number of other cases, the extensive territory to be covered, part of which is most difficult of access, and the large number of patients on visit in proportion to the small number of workers.

It is also interesting to note that 22 of the above-mentioned cases have been taken up in connection with outside agencies. These are exclusive of the soldier cases, in which all the work has been done in co-operation with the Red Cross. The other agencies which have been in touch with the hospital social service are the S. P. C. C., Associated Charities, overseers of the poor and police departments in various localities, which have given splendid co-operation in every instance. Equally valuable assistance has been received from Protestant, Roman Catholic and Hebrew churches. Other State departments, such as the minor wards, mothers' aid, and other State hospitals, have been very helpful.

The training school work was carried on under extreme difficulties. Because so few nurses were in service time could not be spared for class work.

The number of nurses and attendants through the year averaged a fraction of 1 per cent over 40 per cent of our quota, and care of patients was accomplished only by overtime service on the part of every one in the school. Eight pupil nurses entered the Junior class, 3 remaining at the end of the year.

Five intermediate pupils completed the second year's work; 1 left because of illness.

Miss Edith Pease returned from her year of affiliation with the Bellevue Hospital, and was graduated in May, 1919.

Four nurses are now taking the affiliating course at the State Infirmary at Tewksbury to complete their three-year course.

Work and play are essentials in the treatment of mental cases,—the two most potent remedial agents known. Whatever activity will engage a patient's interest, distracting attention from his worries and fancied wrongs will be found helpful. As set forth in former reports, we have made full

use of both agencies. As many patients as possible have been kept busy in every department of the institution, indoors and out. They have helped very materially in the useful work of the place. For themselves they have been encouraged to do according to their ability or inclination, and three teachers have been on the staff to stimulate those who have no initiative. We have been much handicapped by shortage of help, however. All three of our teachers of industries left us to enter the Federal service, and work has been done under the handicap of one teacher with no previous experience, despite which the work has continued, and much of real worth has been accomplished.

To enumerate the separate articles made would require too much time and space, but in brief, the following kinds of employments have been made use of: crocheting and knitting of sweaters, scarfs, mittens, socks, slippers, caps; weaving of rugs, towels, mats, hat bands, table runners; basketry; embroidery in great variety; and toy making. Much work for the Red Cross was done. All the above was principally for the therapeutic effect. In addition, much industrial work, as usual, was done for economical as well as for therapeutic purposes. The following is a list of articles made and repaired: shoes, -498 pairs soled, 633 pairs heeled, 673 pairs patched; mattresses made of old material, also old hair and new ticks, 959; pillows made of old material, 312; pillows made with feather, cotton, old hair and new ticks, 155; burlap rugs sewed and hooked, 28; burlap rugs woven, 292; rag rugs woven, 244; sweaters made, 10; chairs caned, 78; brooms made, 535; hampers, 3; reed baskets, 37; reed trays, 30; brushes, 24. All the tinware in use in the institution is made at the hospital.

Much play, interesting diversion or entertainment, is beneficial; more is desirable than we have been able to give during the past two or three years, much to our regret, because of shortage of help and shortening of hours of the nurses. However, we have had a fairly good year in this respect. Moving pictures have been shown once a week. These, with occasional concerts and other gatherings, and with the religious services on Sundays, have averaged about four gatherings a week. In

February we had a masquerade party, which the patients always enjoy. In April the Henri Jacques Company gave their "Wonder Show." One evening the patients were also entertained by the Old Fashion Choir, and on July 4 there was a ball game and sports. At Hallowe'en parties were held on the different wards. At Christmas the patients enjoyed the large tree in the chapel, together with singing and distribution of gifts after the exercises. The halls were prettily decorated, and we had the usual Christmas dinner with turkey and fixings.

The farm report is favorable for the year, although the onion crop was practically a loss because of the period of drought in the early summer months, and the potatoes rotted badly, as almost everywhere else in this section of the country. The other crops were up to the average in yield. The total valuation of our farm products, by the prices established by the Department of Mental Diseases, was \$70,382.54.

Our cattle were all tested for tuberculosis under the supervision of the Department of Animal Industry. All affected or suspicious animals were removed, their places being filled with others that were tested before being allowed to come to us.

We have added, by purchase, 5 pure-bred cows and heifers of good breeding and type, and 1 bull. We now have a herd of 20 pure-bred cows, 30 heifers, 3 bulls and 5 calves, all of which are registered. Some of the low milk producing cows have been replaced by better ones, and the average production per cow has been increased very considerably. In 1918 the average production of 68 cows was 8,376 pounds; in 1919 the average of 52 cows was 8,831 pounds. Since last year a clarifier and pasteurizer have been installed and put to daily use.

Among the things accomplished the past year in the way of repairs, renewals and installations were the following: installed, a pasteurizer and a clarifier in the milk room, a new water heater for the laundry and regulator for the same, two new 100-gallon kettles and two three-compartment vegetable steamers in the kitchen, an electric call-system on the wards; new bathrooms on the upper floor of the administration building and two food elevators for the infirmaries; constructed, concrete foundation for a new silo, concrete conduit for pipes

from the refrigerating room to the coach barn, placing pipes for water and steam in the same; placed, a gasoline tank of 350 gallons capacity underground, and new baffles in boiler No. 2; substituted, brass pipe for old piping for hot water in various toilet sections on the wards; purchased, stock for rewiring the main barn, coach barn, piggery, carpenter shop and machine shop, a stone crusher, a CO2 recorder and two draught gauges for the boilers, plumbing supplies for the second and third halls north, and supplies for a sprinkler system for the shops. In connection with the building of the nurses' homes we installed new steam mains and return pipes, an electrically driven pump to return the condensation, new water mains, sewer pipes, drain pipes for the tunnels leading to nurses' homes, electric wiring for lighting, and built cement In the installation of the above our patients helped very materially.

We are glad to record our appreciation of gifts from sundry persons, as follows: Mrs. Crossin of Pittsfield sent magazines frequently, and at Christmas time she sent gifts of aprons, candy, handkerchiefs, etc., for the patients; Mrs. Henry Rose sent flowers; Mrs. L. Clark of Holyoke donated several packs of playing cards; Dr. W. T. Parker contributed music, books and magazines. The following people gave money at Christmas: Mrs. W. T. Parker, Mr. Johnson, Mr. Foley, Mr. Coward, Mr. John Fitzgerald and Mr. Hotine. We are indebted to more than 75 people in Northampton and suburbs for contributing magazines and books during the year.

We also wish to express our appreciation to the publishers of the following periodicals for regular issues of their journals: "Christian Register," "Christian Science Monitor," "Our Dumb Animals" and "New League Journal."

JOHN A. HOUSTON,

Superintendent.

VALUATION.

Nov. 30, 1919.

REAL ESTATE.

				1022		~					
Land (513 acres	s),									\$120,787	50
Buildings, .										895,006	12
										\$1,015,793	62
			PE	RSON	AL]	Prop	ERT	7.			
Travel, .										\$3,044	60
77 7										15,633	21
Clothing, .										15,351	12
Furnishings,										70,771	97
Medical and ge										1,830	87
Heat, light and										11,009	86
Farm, .										44,061	02
Grounds, .										3,501	69
Repairs, .										16,908	17
										\$182,112	51
				21	*****					Ψ102,112	O.L
						ARY.					
Real estate,										\$1,015,793	62
Personal proper	·ty,	•								182,112	51
										\$1,197,906	13

TREASURER'S REPORT.

To the Commissioner of Mental Diseases.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1919:—

Cash A	CCOUNT.		
Balance Dec. 1, 1918,			\$4,617 98
Rece	ipts.		
Institution Receipts.			
Board of inmates: —			
Private,	\$46,956 44	Į.	
Reimbursements, insane,	17,594 93	}	
-		- \$64,551 37	
Sales: —			
Travel, transportation and office ex-			
penses,	\$55 67		
Food,	1,044 79		
Clothing and materials,	323 12	_	
Furnishings and household supplies, .	74 55		
Medical and general care,	3 86		
Heat, light and power,	7 8 12	2	
Farm and stable:—			
Cows and calves, . \$220 00			
Pigs and hogs, 2,520 40			
Empty sacks, 265 08			
•	3,005 48		
Repairs, ordinary,	62 37		
-		- 4,647 96	
Miscellaneous receipts: —			
Interest on bank balances,	\$286 18	3	
Industries	595 36		
Rent,	827 98	-	
Sundries,	55 60		
- Canada		- 1,765 09	
Total institution receipts,		. \$70,964 42	
Less adjustment account, 1918 income,		. 60 14	
2 2 2, 2 2,			70,904 28
			····
Amount carried forward,			\$75,522 26

NORTHAMPTON STATE HOSPITAL. [Dec.

Amount brought forward,			\$75,522	26
Receipts from Treasury of Commonwealth.				
Maintenance appropriations: —				
Balance of 1918,	\$12,844	40		
Advance money (amount on hand November 30), .	3,500	00		
Approved schedules of 1919, \$280,632 99				
Less returned, 3 80				
	280,629	19		
			296,973	59
Special appropriations,			88,743	60
Industries appropriation, November, 1918, schedule, .			430	78
Total,			\$461,670	23
Payments.				
To treasury of Commonwealth, institution receipts, .		•	\$70,904	28
Maintenance appropriations: —				
Balance November schedule, 1918,	\$17,462			
Eleven months' schedules, 1919,	280,629	19		
November advances,	2,239	30		
			300,330	87
Special appropriations, approved schedules,			88,743	60
Industries appropriation, approved schedules, November	er, 1918,		430	
Balance, Nov. 30, 1919,				
In bank,	\$690	20		
In office,				
in onico,			1,260	70
,			-,	
Total,			\$461,670	23
Total,			\$461,670	23
Maintenance.			\$461,670	23
Maintenance.				
Maintenance.				00
Maintenance. Appropriation, current year,			\$343,500	00
Maintenance. Appropriation, current year,			\$343,500 808	00 82
Maintenance. Appropriation, current year,			\$343,500 808 \$344,308	00 82
Maintenance. Appropriation, current year, Balance from previous year, brought forward, Total, Expenses (as analyzed below),	: :		\$343,500 808	00 82
Maintenance. Appropriation, current year,	: :		\$343,500 808 \$344,308	00 82 82 59
Maintenance. Appropriation, current year,	: :		\$343,500 808 \$344,308 308,615	00 82 82 59
Maintenance. Appropriation, current year, Balance from previous year, brought forward, Total, Expenses (as analyzed below),	: :		\$343,500 808 \$344,308 308,615	00 82 82 59
Maintenance. Appropriation, current year,	: :		\$343,500 808 \$344,308 308,615	00 82 82 59
Maintenance. Appropriation, current year,	: :		\$343,500 808 \$344,308 308,615	00 82 82 59
Maintenance. Appropriation, current year,			\$343,500 808 \$344,308 308,615	00 82 82 59
Maintenance. Appropriation, current year,			\$343,500 808 \$344,308 308,615	00 82 82 59
Maintenance. Appropriation, current year,	\$4,500 7,068	00 77 34	\$343,500 808 \$344,308 308,615	00 82 82 59
Maintenance. Appropriation, current year,	\$4,500 7,068 6,604		\$343,500 808 \$344,308 308,615	00 82 82 59
Maintenance. Appropriation, current year, Balance from previous year, brought forward, Total, Expenses (as analyzed below), Balance reverting to treasury of Commonwealth, Analysis of Expenses. Personal services:— J. A. Houston, superintendent, Medical, Administration, Kitchen and dining-room service, Domestic,	\$4,500 7,068 6,604 7,979 8,175		\$343,500 808 \$344,308 308,615	00 82 82 59
Maintenance. Appropriation, current year, Balance from previous year, brought forward, Total, Expenses (as analyzed below), Balance reverting to treasury of Commonwealth, Analysis of Expenses. Personal services:— J. A. Houston, superintendent, Medical, Administration, Kitchen and dining-room service, Domestic, Ward service (male),	\$4,500 7,068 6,604 7,979	00 77 34 93 70 16	\$343,500 808 \$344,308 308,615	00 82 82 59
Maintenance. Appropriation, current year,	\$4,500 7,068 6,604 7,979 8,175 17,998 16,948	000 77 34 93 70 16 19	\$343,500 808 \$344,308 308,615	00 82 82 59
Maintenance. Appropriation, current year, Balance from previous year, brought forward, Total, Expenses (as analyzed below), Balance reverting to treasury of Commonwealth, Analysis of Expenses. Personal services:— J. A. Houston, superintendent, Medical, Administration, Kitchen and dining-room service, Domestic, Ward service (male), Ward service (female), Industrial and educational department,	\$4,500 7,068 6,604 7,979 8,175 17,998 16,948 1,308	000 77 34 93 70 16 19 80	\$343,500 808 \$344,308 308,615	00 82 82 59
Maintenance. Appropriation, current year,	\$4,500 7,068 6,604 7,979 8,175 17,998 16,948 1,308 14,336	00 77 34 93 70 16 19 80 51	\$343,500 808 \$344,308 308,615	00 82 82 59
Maintenance. Appropriation, current year, Balance from previous year, brought forward, Total, Expenses (as analyzed below), Balance reverting to treasury of Commonwealth, Analysis of Expenses. Personal services:— J. A. Houston, superintendent, Medical, Administration, Kitchen and dining-room service, Domestic, Ward service (male), Ward service (female), Industrial and educational department, Engineering department, Repairs,	\$4,500 7,068 6,604 7,979 8,175 17,998 16,948 1,308 14,336 9,811	00 77 34 93 70 16 19 80 51 73	\$343,500 808 \$344,308 308,615	00 82 82 59
Maintenance. Appropriation, current year, Balance from previous year, brought forward, Total, Expenses (as analyzed below), Balance reverting to treasury of Commonwealth, Analysis of Expenses. Personal services:— J. A. Houston, superintendent, Medical, Administration, Kitchen and dining-room service, Domestic, Ward service (male), Ward service (female), Industrial and educational department, Engineering department, Repairs, Farm,	\$4,500 7,068 6,604 7,979 8,175 17,998 16,948 1,308 14,336 9,811 12,272	00 77 34 93 70 16 19 80 51 73 55	\$343,500 808 \$344,308 308,615	00 82 82 59
Maintenance. Appropriation, current year, Balance from previous year, brought forward, Total, Expenses (as analyzed below), Balance reverting to treasury of Commonwealth, Analysis of Expenses. Personal services:— J. A. Houston, superintendent, Medical, Administration, Kitchen and dining-room service, Domestic, Ward service (male), Ward service (female), Industrial and educational department, Engineering department, Repairs,	\$4,500 7,068 6,604 7,979 8,175 17,998 16,948 1,308 14,336 9,811	00 77 34 93 70 16 19 80 51 73 55	\$343,500 808 \$344,308 308,615 \$35,693	00 82 82 59 23
Maintenance. Appropriation, current year, Balance from previous year, brought forward, Total, Expenses (as analyzed below), Balance reverting to treasury of Commonwealth, Analysis of Expenses. Personal services:— J. A. Houston, superintendent, Medical, Administration, Kitchen and dining-room service, Domestic, Ward service (male), Ward service (female), Industrial and educational department, Engineering department, Repairs, Farm,	\$4,500 7,068 6,604 7,979 8,175 17,998 16,948 1,308 14,336 9,811 12,272	00 77 34 93 70 16 19 80 51 73 55	\$343,500 808 \$344,308 308,615	00 82 82 59 23
Maintenance. Appropriation, current year, Balance from previous year, brought forward, Total, Expenses (as analyzed below), Balance reverting to treasury of Commonwealth, Analysis of Expenses. Personal services:— J. A. Houston, superintendent, Medical, Administration, Kitchen and dining-room service, Domestic, Ward service (male), Ward service (female), Industrial and educational department, Engineering department, Repairs, Farm,	\$4,500 7,068 6,604 7,979 8,175 17,998 16,948 1,308 14,336 9,811 12,272	00 77 34 93 70 16 19 80 51 73 55	\$343,500 808 \$344,308 308,615 \$35,693	00 82 82 59 23

Amount brought forward,							\$109,147 66
Religious instruction: —							
Catholie,						\$600 00	
_	:			•			
Trotestant,	•	•	•	•	•	380 00	1 186 00
					•		1,186 00
Travel, transportation and office	e expe	nses:					
Advertising,						\$230 59	
Automobiles,						1,999 90	
Automobile repairs and supp	lies,					1,100 08	
Postage,						428 15	
Printing and binding,						222 51	
Printing annual report,						227 92	
Stationery and office supplies						1,284 27	
Telephone and telegraph, .					•	940 00	
Travel,			•	•	•	1,249 29	
Express,			•	Ċ	Ċ	260 15	
- '	·			Ċ	•	20 00	
Tremium on bond,	•	•	•		•	20 00	7 060 06
							7,962 86
Food: —							
Flour, Cereals, rice, meal, etc.,						\$14,813 31	
Cereals, rice, meal, etc.,							
Bread, crackers, etc., Peas and beans (canned and						80 16	
Peas and beans (canned and	dried).					1,945 60	
Macaroni and spaghetti, .					•	701 51	
Potatoes,	i.		•	•	•	5 00	
Meat,						18,466 68	
Fish (fresh, cured and canned		Ċ		Ċ		2,963 75	
Butter,		·		•	•	5,558 47	
Butterine, etc.,				•	•	6,191 65	
			-	•		3 87	
		•	•	٠			
			•	٠		2,032 74	
	•					819 29	
Coffee substitutes,		•	•			506 75	
Tea,		•		•		403 05	
Cocoa,		•	•	•		299 00 .	
Milk (whole),						3,043 08	
Milk (condensed, evaporated,	etc.),		•			139 00	
Eggs (fresh),						$10,662\ 24$	
Sugar (cane),						3,744 57	
						30 00	
Fruit (fresh),						1,864 52	
Fruit (dried and preserved),						2,571 59	
Lard and substitutes,						664 14	
Molasses and syrups, Vegetables (fresh),						1,615 34	
Vegetables (fresh),						255 35	
Vegetables (canned and dried	.), .					$695 \ 34$	
Seasonings and condiments, .						860 72	
Yeast, baking powder, etc., .						527 95	
Sundry foods,						102 62	
						208 96	
Meals at fair,							
							84,961 12
Amount carried forward, .					÷		\$203,257 64

$m{A}$ mount brought forward,									\$203,257	64
Clathing and materials.										
Clothing and materials:—							\$1,177	17		
Boots, shoes and rubbers, Clothing (outer),			٠	٠	٠.		2,532			
		•	•	٠	. ′	•	647			
Clothing (under),	٠	•	٠	•	•	•				
Dry goods for clothing,		•	•	٠	•	٠	755			
Hats and caps,	•	•	•	•	•		70			
Leather and shoe findings,			•	٠	•	•	252			
Machinery for manufacturi			•	٠			120			
Socks and smallwares, .		•		•	•	•	1,470			
Sundries, materials for indu	strie	s,	•	•	•	٠_	245	11	7,270	22
Furnishings and household su	pplie	s: —							1,210	
Beds, bedding, etc., .							\$5,390	81		
							284			
Crockery, glassware, cutler	v. et	c					426			
Dry goods and smallwares,	,,	٠.,	•	·			2,568			
Electric lamps,		•				÷	508			
Fire hose and extinguishers	•	•		•	•	•	12			
Furniture unholstery etc	,	•		:			634			
Furniture, upholstery, etc., Kitchen and household war	•	•	•				2,114			
				•		•	2,114			
Laundry supplies and mate				٠		•	2,079 770			
Lavatory supplies and disir						•	30			
Machinery for manufacturi					•		30 279			
Table linen, paper napkins,	tow	eis, e	etc.,	•	•	•	279	70	15 101	e 77
26 11 1 1 1						-			15,101	. 97
Medical and general care: —							@900	co		
Books, periodicals, etc.,	•					•	\$300			
Entertainments, games, etc	٠.,		•			•	880			
Funeral expenses,		•			•	•	25			
Gratuities,								00		
Ice and refrigeration, .							856			
Laboratory supplies and ap								27		
Medicines (supplies and ap	para	tus),					2,018			
Medical attendance (extra)							10			
Patients boarded out, .							2,329	74		
Return of runaways, . Sputum cups, etc., Tobacco, pipes, matches,							92	49		
Sputum cups, etc.,							25	45		
Tobacco, pipes, matches,							411	60		
Water,							3,253	34		
						-			10,217	38
Heat, light and power: —										
Coal (bituminous), .							\$9,154			
Freight and cartage, .							9,212	84		
Coal (anthracite),							1,713	18		
Freight and cartage, .							740	08		
Electricity,							66	67		
							102	25		
Gas, Oil,							157			
Operating supplies for boile							280	34		
Coke,								00		
Sundries,				·			-	35		
~unarios,	·	·	·	·					21,446	38
Amount carried forward,									\$257,293	19

Amount brought forward, .							\$257,293 19
Farm and stable: —							
Bedding materials,						\$909 31	
Blacksmithing and supplies,						699 55	
Carriages, wagons and repairs,						398 17	
Dairy equipment and supplies,						4 55	
Fencing materials,						43 02	
Fertilizers,						1,937 28	
Grain, etc.,						13,372 12	
Harnesses and repairs,						173 85	
Horses,						854 78	
Cows,						5,093 32	
Other live stock,						155 00	
Labor (not on pay roll), .	·					186 45	
Rent,		Ċ	Ċ		·	75 00	
Spraying materials	•		•	•		243 98	
Spraying materials, Stable and barn supplies, .	•		•		·	147 27	
Tools, implements, machines, e	tc.	•		•	•	2,097 58	
Trees, vines, seeds, etc.,				Ċ	•	1,608 88	
Veterinary services, supplies, et				•		333 23	
Sundries,	,,	•			•	14 70	
Registration,	•	÷			•	11 75	
registration,	•	•	•	•	٠ -		28,359 79
Grounds: —							
Fartilizars						\$13 04	
Tools implements machines a	te.	•	•	Ċ	•	56 70	
Fertilizers,		•			•	413 77	
11000, 11100, 5111100, 50000, 5000	, ,				• -		483 51
Repairs, ordinary: —							
Cement, lime, crushed stone, et	c	_				\$1,935 07	•
Electrical work and supplies,	,					1,801 62	
Hardware, iron, steel, etc., .	Ť					935 41	
Labor (not on pay roll),						19 63	
Lumber, etc. (including finished		duct	s).	·		3,286 68	
Paint, oil, glass, etc.,			,	·	Ċ	2,046 28	
Plumbing and supplies,			•	•	•	1,061 26	
Roofing and materials,	•	•	•	•	•	34 43	
Steam fittings and supplies, .		·		Ċ	•	2,761 24	
Tools, machines, etc.,				•	•	518 24	
Boilers, repairs,			•	•	•	538 69	
Engines, repairs,				:	•	292 89	
Freight,					•	117 48	
rieigni,	•	•	•	•	• -		15,348 92
Repairs and renewals: —							
Replacing silo,						\$537 04	
Electrical work,			•	:		919 21	
	•	•	•	•	•	3,262 93	
Plumbing,	•	•	•	•	•	2,411 00	
Stone crusher,	•	•	•	•	٠.	2, 11 00	7,130 18
· ·							

RESOURCES AND LIABILITIES.

Resources.

Cash on hand,							\$1,	260	70		
November cash vouchers (pa	id fr	om a	dvar	ice n	one	y),					
account of maintenance,							2,	239	30		
Due from treasury of Comm											
appropriation, account	\mathbf{of}	No	vem	ber,	19:	19,					
schedule,		•		•		•	24,	486	40		
						-				\$27,986	40
		Li	abili	ties.							
Schedule of November bills,										\$27,986	40

PER CAPITA.

During the year the average number of inmates has been 968.95. Total cost for maintenance, \$308,615.59. Equal to a weekly per capita cost of \$6.12509. Receipt from sales, \$5,183.18. Equal to a weekly per capita of \$0.10287. All other institution receipts, \$65,721.10. Equal to a weekly per capita of \$1.3043.

Respectfully submitted,

JOHN A. HOUSTON,

Acting Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

ALONZO B. COOK,

Auditor.

STATISTICAL TABLES

AS ADOPTED BY AMERICAN MEDICO-PSYCHOLOGICAL ASSOCIATION

PRESCRIBED BY MASSACHUSETTS DEPARTMENT ON MENTAL DISEASES



STATISTICAL TABLES.

Table 1. — General Information.

1. D	Date of	opening as	an institution	for the insane:	Aug. 16, 1858.	
------	---------	------------	----------------	-----------------	----------------	--

2. Type of institution: State.

3.	Hospital	l plant: —

4. Medical service: -

year, .

Value of hospital proper	cty:						
Real estate, including	bui	lding	s,			\$895,006	12
Personal property,						182,112	51
Total,					. 5	\$1,077,118	63

Total acreage of hospital property, 513. Acreage under cultivation during year, 210.

It histogram bor itoo.						men.	women.	Totals.
Superintendents,						1		1
Assistant physicians,						3	2	5
Medical internes,						-	_	_
Clinical assistants,						_	_	_
Total,						4	2	6
= Frankrana.								
5. Employees: —						Males.	Females.	Totals.
Graduate nurses,						-	1	1
Other nurses and atte	$\operatorname{end} arepsilon$	ints,		١.		28	25	53
Social workers, .						-	1	1
All other employees,		•				43	28	71
								
Total,						71	55	126
•		~						
6. Percentage of patients	em	ploye	ed o	lurin	g	Men.	Women.	Totals.

Table 2. — Financial Statement.

63.00

58.74

60.85

See treasurer's report for data requested under this table.

Table 3. — Movement of Patient Population for the Year ending Sept. 30, 1919.

	ooks.	Totals.	1,169	363 100 463 - 463 1,632	58 67 47 16 92 137 417 1,215	1,168,514 972,321 20,078 176,115 184 982 771 105
A	OTAL ON BOOKS.	Females.	581	179 47 226 - 226 807	31 23 21 12 48 48 51 196 611	581. 701 475.831 17.100 88.770 97 485 345 600
E	TOT	Males.	588	184 53 237 - 237 825	27 34 26 44 44 86 221 604	586.813 496.490 2.978 87.345 87.445 497 497 426 426
	es.	Totals.	ı	11111	1111111	
zó.	INEBRIATES	Females.	ı	11111	1111111	111111111
LASSES	INE	Males.	ı	11111	1 1 1 1 1 1 1	
OTHER CLASSES.	J.N.	Totals.		010100	11101101	.052
O	SANE, VOLUN- TARY.	Females.		0110110101	11101101	.052
	SANI	Males.	1	11111	111111	
		Totals.	1,169	361 100 461 - 461 1,630	58 67 47 14 137 137 1,215	1,168.462 972.269 20.078 176.115 184 982 771 105
1	INSANE.	Females.	581	177 47 224 224 805	31 33 21 10 48 194 611	581.649 475.779 17.10 88.77 8 8 8 97 4 485 3 45 60 60
		Males.	588	184 53 237 237 825	27 34 26 4 44 44 86 221 604	586.813 496.490 2.978 87.345 87.4497 497 426 426
			1. Patients on books of institution Sept. 30, 1918,	(a) First admissions, (b) Readmissions, (c) Treatisers from other institutions for the insane, 2. Total neetved during year, 3. Total under treatment during year, Discharmed from hoole during year.	(a) As improved. (b) As unimproved. (c) As unimproved. (d) As not finson. (e) Transferred to other institutions for the insane, (f) Died during year. (f) Total dissabared from books during year. 5. Patients remaining on books of institution Sept. 30, 1919,	Supplementary Data. Supplementary Data. 6b. Average daily number of patients on books during year, 7a. Average daily number of patients actually in institution during year, 7a. Average daily number of patients in family care, 7b. Average daily number of patients on visit and escape, 8b. Number of voluntary patients admitted during year, 9b. Number of temporary-care cases admitted during year, 10b. Number of patients actually remaining in institution Sept. 30, 1919, Rembursing,

11. Number of patients in family care Sept. 30, 1919, State, Private, Self-supporting, Sulf-supporting, Sulf	28821 177 177	17 15 2 2 2 221 144	20 15 4 1,621 456 321	111111	1111212121	1111000	1 1 1 1 1 1	111111	111111	3 17 - 15 2 2 2 2 2 2 823 800 235 223 177 146	15 15 1,623 458 326	
 Number of non-insane patients or immates in institution at end o (h) Persons given advice or treatment in out-patient department 	f institution yaduring year,	ear,							Males. 103	Females.	Totals.	

Table 4. — Nativity of First Admissions and of Parents of First Admissions.

		P	ATIENT	s.		RENTS MALE ATIENT		OF	ARENT FEMA ATIENT	LE
Nativity.		Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
United States, Africa (South), Austria, Canada, Denmark, England, Finland, France, Germany, Greece, Ireland, Italy, Norway, Poland, Russia, Scotland, Spain, Sweden, Switzerland, Turkey in Asia, Turkey in Europe, Ukraine, Wales, Total foreign born, Unascertained,		 104 - 8 17 - 2 - 1 2 3 15 10 5 - 1 1 - 2 2 1 - 79	100 - 12 13 - 5 - 5 - 21 6 - 4 6 6 2 1 1 1 77	204 - 20 30 - 7 1 1 1 3 36 16 11 14 11 - 2 1 - 1 - 1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - - - - - - - - - - - - -	57 - 8 28 - 2 - 11 7 3 34 10 11 11 2 2 1 - 1	64 - 9 27 - 2 - 1 6 3 34 10 11 11 11 12 21 	121 	66 1 13 21 1 2 1 1 6 - 36 6 - 4 7 7 5 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	63	129 1 25 422 6 2 1 12- 77 12- 8 15 9 - 2 2 2 2 7
Grand total, .		184	177	361	184	184	368	177	177	354

Table 5.—Citizenship of First Admissions.

							Males.	Females.	Totals.
Citizens by birth, Citizens by naturalization,							104	100	204
Citizens by naturalization,						.	29	34 32	63 75
Aliens, Citizenship unascertained,	٠	•	-	٠		.	43	32	
Citizenship unascertained,	•	•	•	•	•	٠ ا	8	11	19
Total						. [184	177	361

Table 6. — Psychoses of First Admissions.

THE O. I SHOW OF T						
Psychoses.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic, total,				1	_	1
(a) Traumatic delirium,	1	-	1	9	17	26
2. Senile, total, (a) Simple deterioration,	4	2	6	9	17	40
(b) Presbyophrenic type, (c) Delirious and confused states,	1 -	3 2	4 2			
(d) Depressed and agitated states in addition to					•	
deterioration, (e) Paranoid states in addition to deterioration,	1 2	6 3	7 5			
(f) Presenile type,	ī	1	2	00		45
3. With cerebral arteriosclerosis,	: :	: :	: :	28 15	17 4	45 19
5. With cerebral syphilis,				1	2	3
6. With Huntington's chorea,		: :		1	1	1 2 7
8. With other brain or nervous diseases, total, Locomotor ataxia,		i	i	3	4	7
Tabo-paresis,	1	- 1	1			
Cerebrospinal syphilis,	2	2 1	4			
9. Alcoholic, total,				24	4	28
(a) Pathological intoxication,	$\frac{1}{2}$	-	$\begin{array}{c c} 1\\2 \end{array}$			
(d) Acute hallucinosis.	6	- 1	6			
(e) Chronic hallucinosis,	7 8	2 2	9 10			
10. Due to drugs and other exogenous toxins	·i		!	1	-	1
(c) With illuminating gas,	1	-	1	_	3	3
12. With other somatic diseases, total,				11	23	34
(a) Delirium with influenzal broncho-pneumonia, (b) Post-influenzal psychosis.	4 3	5 3	9			
(b) Post-influenzal psychosis, (c) Exhaustion delirium, (d) Delirium of unknown origin,	ĭ	2	3			
(e) Cardiorenal disease,	_	4	4			
(g) (1) With acute nephritis,	_	1	1			
(2) With diabetes mellitus,	3	2 5	5 5			
13. Manic-depressive, total.	٠ :	!	13	16	27	43
(b) Depressive type,	5 11	8 15	26			
(a) Manic type, (b) Depressive type, (d) Mixed type, (e) Circular type, 14. Involution melancholia,	-	3	3 1			
		. 1		1	4	5
15. Dementia præcox, total,	15	23	. 38	52	47	99
(a) Paranoid type,	15 13	15	28			
(c) Hebephrenic type,	22 2	6 3	28			
(d) Simple type,				-	-	-
17. Epileptic, total,	·i	· <u>·</u>	· i	2	-	2
(b) Clouded state	î	-	î		.	
18. Psychoneuroses, total, (a) Hysterical type, (b) Psychasthenic type,		· i	·i	1	4	5
(b) Psychasthenic type,		1	1			
(c) Neurasthenic type,	. 1	2	. 3	_	_	_
20. With mental deficiency,				3	1	4
21. Undiagnosed,	: :	: :	: :	8	$\begin{array}{c c} 6 \\ 13 \end{array}$	14 19
(a) Epilepsy without psychosis,	1	2 2	3 2			
(c) Drug addiction without psychosis,	_	1	1		i	
 (d) Constitutional psychopathic inferiority with- out psychosis, 	1		1			
(e) Mental deficiency without psychosis,	4	6	10			
(f) (1) Influenza without psychosis,(2) Cardiorenal disease without psychosis,	_	1 1	1 1			
		1	1	101		
Total,				184	177	361

Table 7.—Race of First Admissions classified with Reference to Psychoses.

11 1	1			~
	WITH BRAIN TUMOR,	Totals.		
	TH BRA	Females.	111111111111111	
	WI	Males.	111-11111111111	
	s,NC	Totals.	1111111111111	-
	WITH HUNTINGTON'S CHOREA.	Females.		1
	HUNT	Males.	111111111111	-
	7.6	Totals.	111-111-111111-	3
	WITH CEREBRAL SYPHILIS.	Females.	111-1111111111	7
	CEI	Males.	111111-111111	1
ES.	L IS.	Totals.	111011111111111111111111111111111111111	19
Psychoses.	GENERAL PARALYSIS.	Females.	1111111111111114	4
Ps	OE PAI	Males.	1119-11-15-11-11-15	15
	S. F.	Totals.	11 13 13 113 113 113 113 113 113 113 11	45
	WITH CEREBRAL ARTERIO- SCLEROSIS.	Females.	1-11111-111-11	17
	CEI	Males.	1 1 1 1 1 1 1 1 1 1	28
		Totals.	1	26
	SENILE,	Females.	111111411111111111111111111111111111111	17
	50 1	Males.	-	6
	ŢĊ.	Totals.	3	1
	TRAUMATIC.	Females.		'
	TRA	Males.	1111111111111111	1
		Totals.	11 16 16 16 17 17 17 17 17 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	361
	Total.	Females.	100 100 100 100 100 100 100 100 100 100	177
	Н	Males.	24 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	184
				•
	RACE.			•
	PA .		ack),	•
			African (black), English, French, Fren	Total,

Table 7.—Race of First Admissions classified with Reference to Psychoses — Continued.

	× F	'otals,	T 11 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	DEMENTIA PRÆCOX,	emales.	H 1110011001110118115
	DE	Isles.	
	ION LIA.	rotals.	מ דווווווווח מ
	·INVOLUTION MELANCHOLIA	Females.	[
	·INV	Males.	11111111111111
	VB.	Totals.	111111111111111111111111111111111111111
	MANIC- DEPRESSIVE.	Females.	111 121 148 11 11 12 11 11 72
	DEP	Males.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	C C S.	Totals.	1 1 1 1 2 2 1 1 1 1 1 1 2 1 1 2 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	WITH OTHER SOMATIC DISEASES.	Females.	1112211211114117
OSES.	WIT	Males.	11 0 1 1 1 1 1 1 1 1
Psychoses.	3	Totals.	111111111111111111111111111111111111111
	WITH PELLAGRA.	Females.	111111111111111111111111111111111111111
	E d	Males.	111111111111111
	RUGS IER DUS	Totals.	1:1-1:1:1:1:1:1
	DUE TO DRUGS AND OTHER EXOGENOUS TOXINS.	Females.	1111111111111111
	DUE AN EX	Males.	111-11111111
	IC.	Totals.	1 1 1 1 1 1 1 1 1 1
	ALCOHOLIC.	Females.	1 1 1 1 1 1 1 1 4
	AL	Males.	111121180111112118
	TER OUS	Totals.	7 11 11 12 14 15 15 15 15 15 15 15
	WITH OTHER BRAIN OR NERYOUS DISEASES.	Females.	1
	WIT	Males.	1 - 1 - 1 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	RACE.		
	PF.		nck),
			1, (blg
			African (black), Emgish, Finnish, French, German, Greek, Irish, Irish, Irish, Irish, Ragyar, Magyar, Magyar, Seotch, Sandinavian, Sootch, Shanish, Shanish, Syanish, Syanish, Syanish, Mixed,

Table 7.—Race of First Admissions classified with Reference to Psychoses — Concluded.

	E.	Totals.	1	19
	NOT INSANE.	Females.	0	13
	NOT	Males,	1 1 100 1 1 1 1 1 1 100	9
	SED.	.slstoT	10-01010-111110	14
	UNDIAGNOSED.	Females.	[===	9
	TND	Males.	1-	∞
	TAL SY.	.slatoT		4
	WITH MENTAL DEFICIENCY.	Females.	11111111111111	-
	WIT	Males.	11[-11][11][1]	က
.ss.	N- AL HIC TY.	Totals.	1111111111111111	1
Psychoses.	WITH CON- STITUTIONAL PSYCHOPATHIC INFERIORITY.	Females.	111111111111111	1 ,
Ps	W1 STITI PSYC	Males.	11111111111111	1
		Totals.	1111-1-1-1-11111	5
	PSYCHO- NEUROSIS,	Females.	1111-1-1-1-11111	4
	PS	Males.	1111111111111111	1
	ن	.slstoT	1111111111111	23
	EPILEPTIC.	Females.		1
	IG	Males.	1111111111111	2
	A forc 48.	.slatoT	1111111111111111	1
	PARANOIA AND PARANOIC CONDITIONS.	Females.	1111111111111	'
	PA AND CON	Males.		1
-				•
		= 1		
	3E.			
	RACE.		ack),	
			African (black), Braglish, Firmish, Franch, French, Fr	Total,

Table 8.— Age of First Admissions classified with Reference to Principal Psychoses.

		Totals.	111101110011001111	36
	40-44.	Females.	ा । । । । । । । । । । । । । । । । । । ।	14
	4	Males.		22
		Totals.	1114414104106181441114	29
	35-39.	Females.	111111111111111111111111111111111111111	16
		Males.	1 [[] [4 [[]] [] [13
		Totals.	- m - m m m m	48
	30-34.	Females.	111-1111-11-10-1-11-1-1-1	22
		Males.	11101111011111141111110	26
vi		Totals.	111111111111111111111111111111111111111	45
YEARS	25-29.	Females,		19
		Males.	111111111111111111111111111111111111111	26
		Totals.	11111111114411201111114	21
	20-24.	Females.	[[[]]]]]]]	15
		.aslaM	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	9
		Totals.	111111111111111111111111111111111111111	17
	15-19.	Females.	111111111111	6
		Males.	1111111111111	∞
	UNDER 15.	Totals.		1
		Females.		1
	Ö	Males.		1
	i .	Totals.	28 1956 1957 1957 1957 1957 1957 1957 1957 1957	361
E	410	Females.	171 174 174 174 174 174 174 174 174 174	177
	1	Males.	25 1 2 1 1 1 1 2 2 2 1 2 1 2 1 2 1 2 1 2	184
				•
			Kins,	
			solerosis, solerea, horea, ervous diseases, ler exogenous toxins iseases, ia, ia, ic conditions, ic conditions, sychopathic inferior	
Ряуснояев.				
			clerosis, s, c, c, corditions c conditions sychopathic	
			ilis, chora	
			rrter sis, syphical con's con'	
			in the property of the propert	
			natic i. i. i. i. i. i. i. i. i. i. i. i. i. i	Total, .
			Traumatic, Senile, With cerebral arterioselerosis, General paralysis, With cerebral syphilis, With cerebral syphilis, With Huntington's chorea, With heart tumor, With brain tumor, With brain tumor, Alcoholic, Bus to drugs and other exogenous toxins, With pellagra, With pellagra, With pellagra, With chlor somatic diseases, Involution melancholia, Demontha precox, Paranoia and paranoic conditions, Paranoia and paranoic conditions, Paranoia and paranoic conditions, With constitutional psychopathic inferiority With mental deficiency, Undagnosed, Not insane,	Tots
			1. Traumatic, 2. Sonile, 3. With corebra para. 4. General para. 4. General para. 6. With Humin corebra with Humin para. 7. With brain the second core of the second c	
				ı

Table 8.— Age of First Admissions classified with Reference to Principal Psychoses — Concluded.

		Totals.	110
	OVER 80.	Females,	100411111111111111111111111111111111111
	٥٨	Males.	187111111111111111111111111111111111111
		Totals.	22 11 11 11 11 1 1 1 1 1 1 1 1 1 1 1 1
	75-79.	Females.	15411111111111111111111
	ř.	Males.	100-11111111111111111111111111111111111
		Totals.	186:1:1:1:1:1:1:1:1:1:1:1:1:1:1:1:1:1:1:
	70-74.	Females.	140111111111111111111111111111111111111
	-	,səlsM	1-4-11111111111111111111111111111111111
		Totals.	20 111111277733
	65-69.	Females.	10114111110414411111116
RS.	9	Males.	11011111111111111111111111
YEARS.		Totals.	1441[] 011 01 01 01 01 01 01
	60-64.	Females.	1871111811171181111111 6
	9	Males.	1-011111-11-1-1-11111-1-1-6
		Totals.	122111111112241111121
	55-59.	Females.	1-01111111111100111111011
		Males.	
	50-54.	Totals.	110011100114416111110
		Females.	
		Males.	1 1 1 0 0 0 1 1
		Totals.	0
	45-49.	Females.	111011111111111111111111111111111111111
	4	Males.	1 1 1 1 1 1 1 1 1 1
			selerosis, iis, chorea, nervous diseases, diseases, diseases, olia, oic conditions, psychopathic inferiority ney,
			osclerosis, lis, chorea, nervous diseases, ther exogenous toxins, diseases, olia, oic conditions, psychopathic inferior
	Psychoses.		osclerosis, iis, chorea, chorea, nervous diseases, ther exogenous to diseases, olia, oic conditions, psychopathic inf
			osclerosis lis, : chorea, nervous ther exog diseases, olia, oic condi
	ŕ	Lsv	iis, idhorea, nervous ther exog diseases oile cond oile oile.
	-		rteri sis, ysphi on's nor, in or atic ve, ve, aran onal onal
			rala a rala a rala a rala a rala a rala a singte rala si ingte tum praia a som brai a som essivi mede præde a præde a prade a si rational a de prade a si rational a de prade a si rational a de prade a si rational a de prade a si rational a si de prade a si rational a si de prade a si rational a si de prade a si rational a si de prade a si si de prade a si si de prade a si si de si si si de prade a si si si si si si si si si si si si si
			atio, atio, l pan rain l'unti l'unti l'unti l'unti l'unti d'unti d'unti lic, d'unti lia l'ia l'ia l'ia l'ia l'ia l'ia l'ia l
			Traumatic, Sonilo, Sonilo, With cerebral arterioseleros General paralysis, With cerebral syphilis, With hurtington's chorea, With hurtington's chorea, With hurtington's chorea, With other brain or nervor Bub to drugs and other ex With pellagra, With the brain or nervor Bub to drugs and other ex With the brain or nervor With the brain or nervor With the conactic disease Manic-depressive Involution melancholia, Dementia precox, Paranoia and paranoic con Paranoia and paranoic con Paranoia and paranoic on Paranoi and paranoic on Paranoi and paranoic on Paranoi and paranoic on Paranoi and paranoic on With constitutional psycho With mental deficiency, Undiagnosed, Not insane,
			1. Traumation Solution of the month of the m
j j			122.644.605.800011.21.81.41.651.8000011.83

Table 9.—Degree of Education of First Admissions classified with Reference to Psychoses.

Parchaele Parc	-			
TOTAL. TOTAL. TOTAL. TREADS AND COMMON TOTALS. TOTA	ER- D.	Totals.	111111111111111111111111111111111111111	3
TOTAL TO	UNASCI	Females.		က
Total. Total. Totals. Total		Males.		7
TOTAL. TOTAL.	ģ	Totala.	1 0 1 1 1 1 1 1 1 1	9
TOTAL. TOTAL.	TEE	Females.	11111111111111	1
TOTAL. TOTAL.	ŭ	Males.	110111111111	70
TOTAL. TOTAL.		Totals.	1 00 - 1 1 1 1 4 4 - 4 1 1 1 1 1	31
TOTAL. TOTAL.	Нидн	Females.	11141111111464461101111	17
TOTAL. TOTAL.	ďΩ	Males.	1 2 1 2 1	14
TOTAL. TOTAL.	z :	Totals.	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	168
TOTAL. TOTAL.	JOO HO	Females.	1222224111447	88
TOTAL. TOTAL TOTAL	Çw	Males.	113 101 110 110 110 120 120 133	8
Total. Total. Total. Totals.	ę.	Totals.	100100100100100100100100100100100100100	6
Total. Total. Total. Totals.	NDS A)	Females.	120111111111111111111111111111111111111	46
rosis, Toral. To	RE/	Males.	18268 1118 124 12 111 182	51
Poral. Total. ej	Totals.	121 5 1 1 2 1 1 2 2 3 4 1 1 1 1 1 1 2 3 4 1	42	
Poral. Total. TERAS	Females.	100111111111004141111111111111111111111	22	
Toral. Toral.	Irri	Males.	1897 1 1 0 1 1 1 1 1 1 1	32
rosis,		Totals.	124 100 100 100 100 100 100 100 100 100 10	361
rosis,	OTAL.	Females.	100	177
umatic, h devebral arteriosclerosis, h carebral arteriosclerosis, h carebral arteriosclerosis, h Hutthigon's chorea, h Drain tumor, h obler brain or nervous diseases, olodic, h other somatic diseases, h other somatic diseases, nic-depressive, olution melancholia, menta prezoox, control and paranoic conditions, lichoristicutional psychopathic inferiority, h mental deficiency, classic, lichoratural deficiency, tinsane,	H	Males.	252 111 111 125 125 127 128 88	184
umatic, lile, herobral arteriosclerosis, herobral paralysis, herobral styphilis, herobral styphilis, herobral styphilis, herobral styphilis, heropra styphilis, heropra styphilis, heropra styphilis, heropra styphilis, heropra styphilis, heropra styphilis, heropra somatic diseases, olotion melagra, menta præcox, nodrigon melancholia, menta præcox, nodrigon and paranoic conditions, lieptic, febonemoses, heropra styphilis inferiority, heropra styphilis lieptic, febonemoses, heropra styphilis lieptic, febonemoses, heropra styphilis lieptic, febonemoses, heropra styphilis lieptic, febonemoses, heropra styphilis lieptic, febonemoses, heropra styphilis lieptic, febonemoses, heropra styphilis lieptics lieptics febonemoses, heropra styphilis lieptics febonemoses, he				•
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umatic, h cerebral arteriosclerosis, h cerebral syphilis, h the terebral syphilis, h thurtington's chorea, h ther brain tumor, h other brain or nervous diseas ololic, h other brain or nervous diseas sololic, h other somatic diseases, h other somatic diseases, inc-depressive, olution melancholia, mentia purcox, illeptic, choneuroses, h constitutional psychopathic ii h mental deficiency, choneuroses, h mental deficiency, diagnosed, t insane,				٠
umatic, horseps. located arterioselerosis, neral paralysis, he Huntington's chorea, he merobral stybilis, he Huntington's chorea, he other brain or nervous di oholic, and other brain or nervous di oholic, and other somente and other sorgen he pellagra, horbra somatic diseases, nic-depressive, nordepressive, nic-depressive, nic-depr			seass seass seass tous 	
umatic, informatic,		sis;		
umatic, illo, cerebral arteriose neral paralysis, hecebral spythins, hecebral spythins, hecebral spythins, hecebral spythins, hecebral spythins, hecher brain or ne oholic, et of furgs and othe, he of the somatic dis nic-depressive, olution melaneholis mentia precox, anota and paranot cisionis and paranot cisionic and paranot cisionis and paranot cisionis and paranot cisionis, hechoneuroses, hechoneuroses, heconstitutional psylmental deficiency diagnosed, tinsane, otal,			leros reas, rvou rvou rvou ease ease con con	
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Non With Marian Marian Non Non House Control of the			Trail With With With With With With With With With With With With With With With With With Worth	Ť
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Table 10. — Environment of First Admissions classified with Reference to Principal Psychoses.

				, -		_	11		===			==	
								Urban.			RURAL.		
Psychoses.				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	
1. Traumatic,				1	-	1	-	-	-	1	_	1	
2. Senile,				9	17	26	4	12	16	5	5	10	
3. With cerebral arteriosclerosis,				28	17	45	15	10	25	13	7	20	
4. General paralysis,				15	4	19	9	3	12	6	1	7	
5. With cerebral syphilis,				1	2	3	1	1	2	-	1	1	
6. With Huntington's chorea,				1	-	1	-	-	-	1	-	1	
7. With brain tumor,				1	1	2	1	-	1	-	1	1	
8. With other brain or nervous di	seas	es,		3	4	7	1	2	3	2	2	4	
9. Alcoholic,				24	4	28	9	3	12	15	1	16	
10. Due to drugs and other exogeno	ous t	oxin	ıs,	1	_	1	1	-	1	-	_	-	
11. With pellagra,				-	3	3	-	2	2	-	1	1	
12. With other somatic diseases, .				11	23	34	4	13	17	7	10	17	
13. Manic-depressive,				16	27	43	11	17	28	5	10	15	
14. Involution melancholia,				1	4	5	-	2	2	1	. 2	3	
15. Dementia præcox,				52	47	99	30	26	56	22	21	43	
16. Paranoia and paranoic condition	ons,			_	-	-	-	-	-	_	-	-	
17. Epileptic,				2	_	2	1	-	1	1	-	1	
18. Psychoneuroses,				1	4	5	-	3	3	1	1	2	
19. With constitutional psychopat	hic i	infer	i-	-	-	_	-	-	-	_	-	-	
ority.				3	1	4	2	-	2	1	1	2	
21. Undiagnosed,				8	6	14	6	4	10	2	2	4	
22. Not insane,				6	13	19	-	9	9	6	4	10	
Total,				184	177	361	95	107	202	89	70	159	

Table 11. — Economic Condition of First Admissions classified with Reference to Principal Psychoses.

1	1		_
INED.	Totals.		
Unascertained.	Females.		-
Unas	Males.	1111111111111111	1
LE.	Totals.	1 1 2 2 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	26
COMFORTABLE	Females.	100011100111000001111111	21
Com	Males,		10
	Totals.	1133 124 127 127 128 138 138 133 133 133 133 133 133 133 13	289
MARGINAL.	Females.	1008881118416211888	122
M.	Males.	188241111111111111111111111111111111111	167
į.	Totals.	120011111112111111111111111111111111111	45
Dependent	Females.	241111111111111111111111111111111111111	34
DEI	Males.	l ∞	=
	Totals.	284 195 195 195 196 197 197 197 197 197 197 197 197 197 197	361
TOTAL.	Females.	121442	177
	Males.	288 288 111 111 111 110 100 100 100 100 100 1	184
			•
			•
		ns,	
		es, toxi	
		s, horea, seases, ervous diseases, seases, seases, seases, seases, seases, ic conditions, sychopathic inferiority,	
	SES.	clerosis, orea, ervous disea. er exogenous seases, ia, c conditions c y,	
Psychoses		clerosis s, norea, ervous er exce iseases, iseases, ic condi	
		hilis hilis 's ch 's ch or n or n ic di chol	
		Traumatic, Senile, With enerbral arteriose General paralysis, With beneral syphilis, With brain tumor, With brain tumor, With brain tumor, With offer brain or ne Alcoholic, Dae to drugs and oth With opher somatic dii Manic-depressive, Involution melancholi Demonita praeox, Faranoia and paranoi Epileptic, Eylleptic, With nental deficienc Uniagnosed, With mental deficienc Uniagnosed, Not insane,	·
		raumatic, sould, with cerebral shall, with cerebral shall, with cerebral with cerebral with cerebral with min Hunting With Hunting With Pain tun Mith Chler box bas to drugs bas to drugs with celer son the cerebral with celer son bas to drugs with celer son bas to drugs with celer son bas to drugs and and celer son with celer son from the celer son from	•
		Traumatio, Sanile, With cerebr General parally with cerebr With cerebr With Cerebr With Cerebr With Charles With Hunti With Phani With Polag With pellag With pellag With cher Involution Throultion Capture C	Total,
		Traumatic, Senile, Senile, Senile, General paralys General paralys With cerebral sy With huntingto With huntingto With other brail Altoholiti, Due to drugs at With oblagra, With oblagra, With oblagra, With oblagra, With oblagra, With oblagra, With oblagra, With oblagra, With oblagra, With oblagra, With oblagra, With oblagra, With constitution Epileptic, Epileptic, With mental de Undiagnosed, Not insano,	Ţ
		22. 220. 220. 220. 220. 220. 220. 220.	

Table 12.— Use of Alcohol by First Admissions classified with Reference to Principal Psychoses.

D.	Totals.	400 - 1400 00	88
Unascertained.	Femalęs.	1000 m m	202
Unasc	Males.		∞
E	Totals.	1148111881199111111111	29
Intemperate.	Females.	।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।	∞
INT	Males.	11481111411279111111111	51
Б	Totals.	144811161119611111881	89
Темрекате.	Females.	1189111411194141111111	10
T	Males.	141101112111441811111281	28
E.	Totals.	222 222 300 66 61 100	206
ABSTINENT.	Females.	14221112112712444011411198	139
Ав	Males.	188251111111189111111144	29
	.slatoT	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	361
TOTAL.	Females.	1777481 144 18822447 1 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	177
	Males.	25.24.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	184
			•
			•
		Fraumatio, Soulie With cerebral arteriosclerosis, Senoral paralysis, With cerebral syphilis, With Drain tumor, With brain tumor, With brain tumor, With other brain or nervous diseases, Mith other brain or nervous diseases, Mone to derives and other exogenous toxins, With other somatic diseases, With other somatic diseases, With other somatic diseases, With other somatic order With other somatic order Seasonous and paranoic conditions, Paranoia and paranoic conditions, Spileptic, Seychometreses, With constitutional psychopathic inferiority, With mental deficiency, Undiagnosed, Not insane,	•
Рѕтсноя вз.		reanmatic, sonile, sonile, With cerebral arterioselerosis, Jenoral paralysis, With ecrebral syphilis, With hutington's chorea, With brain tumor, With brain tumor, With brain tumor, With polley and other exogenous toxins, With pollagra, Tholopolic, Due to drugs and other exogenous toxins, With other somatic diseases, Honologies, With other somatic diseases, Tanolution melancholia, Dementia precox, Jennonia precox, Sychoneuress, Sychoneuress, Sychoneuress, Mith inential deficiency, Mith mental deficiency, Judiagnosed, Not insane,	٠
		Traumatio, Senile, Senile, Hith cerebral arterioselerosis, General paralysis, With cerebral styphilis, With hautington's chorea, With hautington's chorea, With hautington's chorea, With other brain or nervous diseases, Alcoholic, Luo to drugs and other exogenous to With pellagra, Alcoholic, Mith pellagra, Mith other somatic diseases, Mith pellagra, Involution melancholia, Damonta prrecox, Paranoia and paranoic conditions, Epilepitic, With constitutional psychopathic infe With mental deficiency, Undiagnosed, Not insane,	٠
		rosis: -ea,ea,	
		iosele ilis, chor ner. other dise dise oolia, ooli c	•
		Traumatic, Semile, With cerebral arterioselerosis General paralysis, With cerebral syphilis, With humington's chorea, With humington's chorea, With humington's chorea, With horan tumor, With the brain or nervous Alcoholis, Due to drugs and other exog With pellagra, With pellagra, With pellagra, Manicolepresistre, Involution melancholia, Demandia prezeox, Esphoneureses, Flyghoneureses, With constitutional psychope With mental deficiency, Undiagnosed,	
		,,, and since the second secon	
		natic ocerel corel posteri hun brain b	al,
		Traumatio, Semile, With oerebral artes (General paralysis, With oerebral sypi With huntington', With huntington', With huntington', With hole of the prain Due to drugs and With other somati Manic of press and With other somati Manic of pressive, Farmonia precox, Paranola and para Eppleptio, Farmonia melano Bernania precox, Beydnoneuroses, With mental deficit on With mental deficit With mental deficit on Undiagnosed, Not insane,	Total,
		1.2.2.4.2.0.2.2.0.1.2.2.4.2.0.7.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	

Table 13. — Marital Condition of First Admissions classified with Reference to Principal Psychoses.

	븀.	refals.		4
	UNASCER- TAINED.	Remales.	1111111111111111111	-
	Đ.	Males,	1-111111-1111111111111	60
	Ω.	Totals.	11111111111111	-
	Divorced	Females.	111111111111111	1-
,	Dī	Males.	1111111111111111111	1
	ED.	Totals.	111111111111	67
	SEPARATED.	Females.	ÍIIIIIIIII HIHITAINIII	67
	SEI	Males.	111111111111111111111111	1
	ξD.	Totals.	222 222 222 22 22 22 22 22 22 22 22 22	20
	Widowed.	Females.	100111111111111111111111111111111111111	32
ı	M	Males.	140011110111001011111111	27
	D.	Totals.	10 10 10 10 10 10 10 10 10 10 10 10 10 1	166
	MARRIED.	Females.	1404-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	85
	M	Males.	122112112212211	81
	. i	Totals.	18882111211881141491	129
	SINGLE	Females.	112011111111122	92
	02	Males.	10000111111110000	73
		Totals.	100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	361
	TOTAL	Females.	171 177 177 177 177 178 179 179 179 179 179	177
		Males.	200 111 111 110 110 110 110 110 110 110	184
I				
				.
			1. Traumatio, 2. Sonile, 3. With cerebral arteriosclerosis, 4. General paralysis, 6. With excellar styphilis, 6. With Huntington's chores, 7. With brain tumor, 8. With other brain or nervous diseases, 9. Alcoholio, 10. Une to dirugs and other exogenous toxins, 11. With pellagra, 12. With other somatic diseases, 13. Mani-depressive, 14. Involution melancholia, 15. Dementia praeox, 16. Paranoia and paranoic conditions, 17. Epileptio, 18. Psychoneuroses, 18. Eyechoneuroses, 19. With constitutional psychopathic inferiority, 10. Undiagnosed, 11. Undiagnosed, 12. Not insane,	.
			iseas.	.
I	Psychoses,		erosis,	·
I			scler. s, hore nervo iseas iseas ic co ic co sych	.
			terio s. s. philli	.
			il ar ill ar ill av ill	
			rebra para rebra para rebra para rebra para rebra para rebra para rebra para para para para para para para p	
			Traumatic, Senile, With cerebral arteriose General paralysis, With cerebral syphilis, With denebral syphilis, With Huttington's che With the Arain rumor, With tother brain or ne Alcoholic, Due to drugs and othe With pellegra, With pellegra, Livolution melancholis Dementia precox, Irvolution and paranoi Epilegra, Branoia and paranoi Epilegra, With constitutional ps; With constitutional ps; With mental deficiency Undiagnosed,	Total,
			Traumatic, Sanile, With cerebral arterioscle General paralysis, With cerebral syphilis, With the cerebral syphilis, With the thin tumor, With the train or ner. With other brain or ner. With other brain or ner. Due to drugs and other With pellagra, With other somatic dises With other somatic dises Manic-depressive, Dementia prescox, Paranola and paranolo Dementia prescox, Paranola and paranolo Reychoneuroses, With constitutional psy With mental deficiency, Undagnosed,	ĭ
			22.1.1.2.1.1.2.1.1.2.2.1.2.2.2.2.2.2.2.	

Table 14. — Psychoses of Readmissions.

1. Traumatic, 2. Senile, total, (a) Simple deterioration, (b) Paranoid type, (c) Paranoid type, (d) Presenile type, 3. With cerebral arterioselerosis, 4. General paralysis, 5. With cerebral syphilis, 6. With Huntington's chorea, 7. With brain tumor, 8. With other brain or nervous diseases, 9. Alcoholic, total, (a) Pathological intoxication, (b) Delirium tremens, (c) Chronic hallucinosis, (d) Acute hallucinosis, (e) Chronic paranoid, (f) Presenile type, (g) Chronic paranoid, (g) Pathological intoxication, (g) Pathological intoxication, (h) Delirium tremens, (h) Delir	Psychoses.	Males.	Females.	Totals.	Majes.	Females.	Totals.
(a) Simple deterioration, (b) Paranoid type, (c) Presemile type, (c) Thresemile type, (d) Mixed type, (e) Circular type, (e) Circular type, (e) Circular type, (e) Circular type, (e) Circular type, (e) Circular type, (e) Circular type, (e) Circular type, (e) Circular type, (f) Paranoid and paranoic conditions, (e) Paychosis, (e) Mental deficiency, (e) Constitutional psychopathic inferiority, (e) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency, (e) Constitutional psychosis, (e) Mental deficiency, (e) Constitutional psychosis, (e) Mental deficiency, (e) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency, (e) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency, (e) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency, (e) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency, (e) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency, (e) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency, (e) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency, (e) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency, (e) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency, (e) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency, (e) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency, (e) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency, (e) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency, (e) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency, (e) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency without psychosis, (e) Mental deficiency without psychosis, (e) Me					-		-
(e) Paranoid type, (f) Presenile type, 3. With cerebral arterioselerosis, 4. General paralysis, 5. With cerebral syphilis, 6. With Huntington's chorea, 7. With brain tumor, 8. With other brain or nervous diseases, 9. Alcoholic, total, (a) Pathological intoxication, (b) Delirium tremens, (c) Chronic hallucinosis, (d) Acute hallucinosis, (e) Chronic paranoid, (f) Due to drugs and other exogenous toxins, (e) Chronic paranoid, (f) With typhoid fever, (g) Cardiorenal diseases, total, (g) Cardiorenal diseases, (g) Chronic paranoid, (h) Depressive type, (g) Cardiorenal disease, (g) Chronic paranoid, (h) Depressive type, (g) Cardiorenal disease, (g) Circular type, (g) Circular	2. Senile, total,			. :	2	1	3
(e) Paranoid type, (f) Presenile type, (f) Presenile type, 3. With cerebral arteriosclerosis, 4. General paralysis, 5. With cerebral syphilis, 6. With Huntington's chorea, 7. With brain tumor, 8. With other brain or nervous diseases, 9. Alcoholic, total, (a) Pathological intoxication, (b) Delirium tremens, (c) Chronic hallucinosis, (g) Chronic paranoid, (g) Chronic paranoid, (g) Chronic paranoid, (g) Chronic paranoid, (g) With other somatic diseases, total, (e) Cardiorenal diseases, total, (e) Cardiorenal disease, (a) Manic type, (b) Depressive type, (c) Circular type, (e) Circular type, (e) Circular type, (f) Chephrenic type, (g) Chephrenic type, (g) Chephrenic type, (g) Chephrenic type, (g) Chephrenic type, (g) Chephrenic type, (g) With chemical disease, (h) Depressive type, (g) Chephrenic type, (g) Chephrenic type, (g) Chephrenic type, (g) Chephrenic type, (g) Chephrenic type, (g) Chephrenic type, (g) Chephrenic type, (g) Chephrenic type, (g) Chephrenic type, (g) Chronic paranoid, (g) Constitutional psychopathic inferiority without psychosis, (g) Chonic parkenic inferiority without psychosis, (g) Chonic parkenic type, (g) Constitutional psychopathic inferiority without psychosis, (g) Chonic parkenic type, (g) Constitutional psychopathic inferiority without psychosis, (g) Chonic parkenic type, (g) Constitutional psychopathic inferiority without psychosis, (g) Chonic parkenic type, (g) Constitutional psychopathic inferiority without psychosis, (g) Chonic parkenic type, (g) Constitutional psychopathic inferiority without psychosis, (g) Chonic parkenic type, (g) Constitutional psychopathic inferiority without psychosis, (g) Chonic parkenic type, (g) Chronic parkenic t	(a) Simple deterioration,	1			1		
Nith ere paralysis,	(e) Paranoid type,		1				1
3. With cerebral arteriosclerosis, 4. General paralysis, 5. With cerebral syphilis, 6. With Huntington's choea, 7. With brain tumor, 7. With brain tumor, 7. With brain tumor, 7. With brain tumor, 7. With other brain or nervous diseases, 7. With other brain or nervous diseases, 7. With other brain or nervous diseases, 7. With other brain or nervous diseases, 7. With other brain or nervous diseases, 7. With other brain or nervous diseases, 7. With other brain or nervous diseases, 7. With other somatic diseases, 8. With other somatic diseases, 8. With other somatic diseases, 8. With other somatic diseases, 8. With other somatic diseases, 8. With other somatic diseases, 9. With typhoid fever, 9. With other somatic disease, 9. With typhoid fever, 9. With other somatic disease, 9. With typhoid fever, 9. With other somatic disease, 9. With typhoid fever, 9. With other somatic disease, 9. With typhoid fever, 9. With other somatic disease, 9. With typhoid fever, 9. With other somatic disease, 9. With typhoid fever, 9. With other somatic disease, 9. With typhoid fever, 9. With other somatic disease, 9. With typhoid fever, 9. With other somatic disease, 9. With typhoid fever, 9. With other somatic disease, 9. With typhoid fever, 9. With other somatic disease, 9. With type, 9. With other somatic disease, 9. With type, 9. With other somatic disease, 9. Wi	(7) Presentie type	1	-	1		į.	
4. General paralysis, 5. With cerebral syphilis, 6. With Huntington's chorea, 7. With brain tumor, 8. With other brain or nervous diseases, 9. Alcoholic, total, (a) Pathological intoxication, (b) Delirium tremens, (c) Chronic hallucinosis, (d) Chronic paranoid, (e) Chronic paranoid, (f) Mith typhoid fever, (g) Cardiorenal diseases, total, (a) With typhoid fever, (b) Cardiorenal disease, (c) Cardiorenal disease, (d) Manic type, (e) Circular type, (f) Circular type, (g) Chronic paranoid, (a) Manic type, (b) Depressive type, (c) Circular type, (d) Mixed type, (e) Circular type, (f) Circular type, (g) Chronic paranoic onditions, (a) Manic type, (b) Depressive type, (c) Circular type, (d) Mixed type, (e) Circular type, (f) Chementia praeox, total, (g) Chronic paranoic conditions, (g) With type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Clouded type, (h) Clouded state, (h) Clouded state, (h) Clouded state, (h) Clouded state, (h) Clouded state, (h) Clouded state, (h) Clouded state, (h) Clouded state, (h) Clouded state, (h) Psychasthenic type, (h) Psychasthenic type, (h) Psychasthenic type, (h) Psychasthenic type, (h) Clouded state, (h) Clo	3 With cerebral arteriosclerosis.	1	١		-	_	
8. With other brain or nervous diseases,	4 General paralysis	1 : :			3	_	3
8. With other brain or nervous diseases,	5 With carebral symbilis	1	1			_	_
8. With other brain or nervous diseases,	6 With Huntington's chores				_	_	_
8. With other brain or nervous diseases,	7 With brain tumor					_	_
9. Alcoholic, total, (a) Pathological intoxication, (b) Delirium tremens, (d) Acute hallucinosis, (e) Chronic hallucinosis, (o) Chronic paranoid, (o) Due to drugs and other exogenous toxins, (e) Cardiorenal diseases, total, (f) Manic type, (g) Chronic diseases, (g) Cardiorenal diseases, (h) Cardiorenal disease, (h) Cardiorenal diseases, (h) Cardiorenal diseases, (h) Cardiorenal diseases, (h) Cardiorenal diseases, (h) Cardiorenal diseases, (h) Cardiorenal diseases, (h) Cardiorenal diseases, (h) Cardiorenal diseases, (h) Cardiorenal diseases, (h) Cardiorenal d		1			_	_	_
(a) Pathological intoxication, (b) Delirium tremens, 2 - 2 - 2 (d) Acute hallucinosis, 2 - 2 - 2 (e) Chronic hallucinosis, 2 - 2 (e) Chronic paranoid, 4 - 4 (- 10. Due to drugs and other exogenous toxins, 1 1 2 (a) With type plagra, 1 1 1 2 (a) With type plagra, 1 1 1 2 (a) With type plagra, 1 1 1 2 (a) With type plagra, 1 1 1 2 (a) With type plagra, 1 1 - 1 (a) With type plagra, 1 1 - 1 (a) With type plagra, 1 1 - 1 (a) With type plagra, 1 1 2 (a) With type plagra, 1 1 - 1 (a) With type plagra, 1 1 - 1 (a) With type plagra, 1 1 - 1 (a) With type plagra, 1 1 - 1 (a) With type plagra, 1 1 - 1 (a) With type plagra, 1 1 - 1 (a) With type plagra, 1 1 - 2 (a) With type plagra, 1 1 - 2 (a) With type plagra, 1 1 - 2 (a) With type plagra, 1 1 - 2 (a) With type plagra, 1 1 - 2 (a) With type plagra, 1 1 1 2 (b) With type plagra, 1 1 1 2 (b) With type plagra, 1 1 1 2 (b) With type plagra, 1 1 1 (b) With type plagra, 1 1 1 (b) With type plagra, 1 1 1 (b) With type plagra, 1 1 1 (b) With type plagra, 1 1 1 (b) Psychasthenic type plagra, 1 1 1 (b) Psychasthenic type plagra, 1 1 1 (b) Psychasthenic type plagra, 1 1 1 (b) Psychasthenic type plagra, 1 1 1 (b) Psychasthenic type plagra, 1 1 1 (b) Psychasthenic type plagra, 1 1 1 (b) Psychasthenic type plagra, 1 1 1 1 (b) Psychasthenic type plagra, 1 1 1 1 (b) Psychasthenic type plagra, 1 1 1 1 (b) Psychasthenic type plagra, 1 1 1 1 (b) Psychasthenic type plagra, 1 1 1 1 (b) Psychasthenic type plagra, 1 1 1 1 1 (b) Psychasthenic type plagra, 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					10	-	1.
(b) Delirium tremens, (d) Acute hallucinosis, (e) Chronic hallucinosis, (f) Chronic paranoid, (g) Chronic paranoid, (g) Chronic paranoid, (h) Due to drugs and other exogenous toxins, (e) Cardiorenal diseases, total, (f) Cardiorenal disease, (g) With typhoid fever, (e) Cardiorenal disease, (f) Cardiorenal disease, (g) Chronic paranoid, (h) The series of the series	9. Alconolic, total,	1 . :			10	1	11
(d) Acute hallucinosis, (e) Chronic hallucinosis, (f) Chronic paranoid, (g) Chronic paranoid, (g) Chronic paranoid, (h) Due to drugs and other exogenous toxins, (e) Chronic paranoid, (f) Chronic paranoid, (g) Chronic paranoid, (h) Due to drugs and other exogenous toxins, (h) Due to drugs and other exogenous toxins, (h) Due to drugs and other exogenous toxins, (h) Due to drugs and other exogenous toxins, (h) Due to drugs and other exogenous toxins, (h) Due to drugs and other exogenous toxins, (h) Due to drugs and there exogenous toxins, (h) Land the land the land toxing, (h) Land type, (h) Charlessive, total, (h) Depressive type, (h		1	-				
(a) Chronic paranoid, 10. Due to drugs and other exogenous toxins, 11. With pellagra, 12. With other somatic diseases, total, (a) With typhoid fever, (b) Cardiorenal diseases, 1	(b) Delirium tremens,	2	_	2	}		
(a) Chronic paranoid, 10. Due to drugs and other exogenous toxins, 11. With pellagra, 12. With other somatic diseases, total, (a) With typhoid fever, (b) Cardiorenal diseases, 1	(d) Acute hallucinosis,		-	2			
10. Due to drugs and other exogenous toxins,	(e) Chronic hallucinosis,			2	}		
10. Due to drugs and other exogenous toxins,	(g) Chronic paranoid,	4	-	4	ł		
12. With other somatic diseases, total, (a) With typhoid fever, (b) Cardiorenal disease, (a) Manic type, (b) Depressive type, (c) Circular type, (d) Mixed type, (e) Circular type, (e) Circular type, (f) Depressive type, (g) Circular type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Circular type,	10. Due to drugs and other exogenous toxins,	1			-	-	-
12. With other somatic diseases, total, (a) With typhoid fever, (b) Cardiorenal disease, (a) Manic type, (b) Depressive type, (c) Circular type, (d) Mixed type, (e) Circular type, (e) Circular type, (f) Depressive type, (g) Circular type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Depressive type, (h) Circular type,	11. With pellagra				-	-	-
(a) With typhoid fever, (c) Cardiorenal disease,	12. With other somatic diseases, total		١		1	1	2
(e) Cardiorenal disease, 1		-	1	1	1		_
13. Manic-depressive, total, (a) Manic type, (b) Depressive type, (c) Circular type, (e) Circular type, (e) Circular type, (e) Circular type, (f) Manic type, (g) Circular type, (g) Circular type, (g) Circular type, (g) Circular type, (g) Circular type, (g) Circular type, (g) Circular type, (g) Circular type, (g) Circular type, (g) Circular type, (g) Circular type, (g) Circular type, (g) Circular type, (g) Circular type, (g) Circular type, (h) Katatonic type, (g) Circular type, (g) Circular type, (h) Katatonic type, (h) Katatonic type, (h) Circular type, (h) Circular type, (h) Circular type, (h) Circular type, (h) Circular type, (h) Circular type, (h) Circular type, (h) Circular type, (h) Circular type, (h) Circular type, (h) Circular type, (h) Psychasthenic type, (h) Psychasthenic type, (h) Psychasthenic type, (h) Psychasthenic type, (h) Psychasthenic type, (h) Circular typ		1	1 -	1 1	1		
(a) Manic type, (b) Depressive type, (c) Mixed type, (e) Circular type, (e) Circular type, (e) Circular type, (for the first state of the first st					11	22	33
(b) Depressive type, (d) Mixed type,		1 4	1 8	12			
(a) Mixed type, (e) Circular type, (f) Circular type, (g) Circular typ	(h) Doproccive type	1 5					
(e) Circular type, - 2 2 1 1 2 14. Involution melancholia, 	(d) Mired type,	9	5	17	ĺ		
14. Involution melancholia,	(a) Circular type,			9			
(a) Paranoid type, (b) Katatonic type, (c) Hebephrenic type, (d) Simple type, (d) Simple type, (e) Hebephrenic type, (d) Simple type, (e) Hebephrenic type, (d) Simple type, (e) Hebephrenic type, (f) Hebephrenic type, (g) Hebephrenic type, (h)	14 In-clution - clarcholic	_		_	1	1	9
(a) Paranoid type, (b) Katatonic type, (c) Hebephrenic type, (d) Simple type, (d) Simple type, (e) Hebephrenic type, (d) Simple type, (e) Hebephrenic type, (d) Simple type, (e) Hebephrenic type, (f) Hebephrenic type, (g) Hebephrenic type, (h)	14. Involution melancholia,		• •				
(b) Katatonic type, (c) Hebephrenic type, (d) Simple type, (d) Simple type, (d) Simple type, (e) Hebephrenic type, (d) Simple type, (d) Simple type, (d) Simple type, (d) Simple type, (d) Simple type, (e) Head of the second state, (f) Clouded state, (h) Clouded state, (h) Clouded state, (h) Psychoneuroses, total, (h) Psychasthenic type, (h) Psychasthenic type, (h) Psychasthenic type, (h) With constitutional psychopathic inferiority, (h) Psychasthenic type, (h) With constitutional psychopathic inferiority, (h) Psychasthenic type, (h) With constitutional psychopathic inferiority, (h) With constitutional psychopathic inferiority with- (h) With constitutional psychopathic inferiority with- (h) Clouded state, (h) Psychasthenic type, (h) Psychasth	15. Dementia præcox, total,			1.	41	10	99
16 Paranoia and paranoic conditions, 1 - 1 - 1 - 1 - 1	(a) Paranoid type,				1		
16 Paranoia and paranoic conditions, 1 - 1 - 1 - 1 - 1	(b) Katatonic type,				Ì		
16 Paranoia and paranoic conditions, 1 - 1 - 1 - 1 - 1	(c) Hebephrenic type,						
17. Epileptic, total,	(a) Simple type,		- 1	1			
(b) Clouded state, 1 - 1 - 1 1 1 (b) Psychasthenic type, - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					-	-	-
(b) Psychasthenic type, 19. With constitutional psychopathic inferiority, 20. With mental deficiency, 21. Undiagnosed, 22. Not insane, total, (d) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency without psychosis, (f) No psychosis, (o) No psychosis, (o) No psychosis, (o) No psychosis, (o) No psychosis, (o) No psychosis,	17. Epileptic, total,				1	-	1
(b) Psychasthenic type, 19. With constitutional psychopathic inferiority, 20. With mental deficiency, 21. Undiagnosed, 22. Not insane, total, (d) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency without psychosis, (f) No psychosis, (o) No psychosis, (o) No psychosis, (o) No psychosis, (o) No psychosis, (o) No psychosis,	(b) Clouded state,	1	-	1			
(b) Psychasthenic type, 19. With constitutional psychopathic inferiority, 20. With mental deficiency, 21. Undiagnosed, 22. Not insane, total, (d) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency without psychosis, (f) No psychosis, (o) No psychosis, (o) No psychosis, (o) No psychosis, (o) No psychosis, (o) No psychosis,	18. Psychoneuroses, total,				1 -	1	1
19. With constitutional psychopathic inferiority,	(b) Psychasthenic type	-	1	1	1		
20. With mental deficiency,	19. With constitutional psychopathic inferiority.	l		١ ا		_	-
22. Not insane, total, (d) Constitutional psychopathic inferiority with- out psychosis, (e) Mental deficiency without psychosis, (f) No psychosis, (g) Mental deficiency without psychosis, (h) No psychosis, (h)	20. With mental deficiency.				2	_	2
22. Not insane, total, (d) Constitutional psychopathic inferiority with- out psychosis, (e) Mental deficiency without psychosis, (f) No psychosis, (g) Mental deficiency without psychosis, (h) No psychosis, (h)	21. Undiagnosed.				_	-	_
(d) Constitutional psychopathic inferiority without psychosis, (e) Mental deficiency without psychosis, (f) No psychosis,					1	2	3
out psychosis, (e) Mental deficiency without psychosis, (f) No psychosis, (ii) No psychosis, (iii) No psychosis, (iii) No psychosis, (iii) No psychosis, (iii) No psy	(d) Constitutional psychonathic inferiority with-		' '	' '	1	_	
(e) Mental deficiency without psychosis,		_	1	1			
(f) No psychosis,		_					
G/ 200 pag and all a line and a l		1					
Total,	(J) INO psychosis,	1		-			
10001,	Total				53	47	100
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Table 15. — Discharges of Patients classified with Reference to Principal Psychoses and Condition on Discharge.

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Not insane,	Total,
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Table 16.—Causes of Death of Patients classified with Reference to Principal Psychoses.

	NI	Totals.	1 : 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1
	TUMOR.	Females.	1111111111111111	1 1 1
	WITH BRAIN TUMOR.	Males.	111111111111111111111111111111111111111	1 1 1
	8 N	Totals.		1 + 1
	WITH HUNTINGTON'S CHOREA.	Females.		1 1 1
	HUNT	Males.		1 1 1
	1.	Totals.	11111111111	[] [
	WITH CEREBRAL SYPHILIS.	Females.		1 1 1
	CEI	Males.		1 1 1
ES.	1.83	Totals.	111111111111111111111111111111111111111	1 1 1
Рвусноѕвя,	GENERAL PARALYSIS.	Females.	111111111111111111111111111111111111111	1 1 1
Psı	GE	Males.	111111111111111111111111111111111111111	1 1 1
	3 - E	Totals.	111111111 27	144
	WITH CEREBRAL ARTERIO- SCLEROSIS.	Females.	111111111111111111111111111111111111111	11-
	CE	Males.	111111111111111111111111111111111111111	141
		Totals.	141114111 11 911111	-1-
	SENILE.	Females.	H	-1-
	. IS	Males.	111111111111	111
	ric.	Totals.	111111111 11	1 1 1
	TRAUMATIC.	Females.		111
	TR	Males.		111
		Totals.		-40
	Total.	Females.		7 1 7
		Males.	22 1 1 1 1 1 1 1 1 1	141
	CAUSE OF DEATH.		General Diseases. Carcinoma of intestines, Carcinoma of intestines, Carcinoma of stomach, Carcinoma of stomach, Diabetes mellitus, Diseminated tuberculosis, Epithelioma of face, Erystpelas, Exophthalmic goiter, Myxcedema, Exophthalmic goiter, Tubercular peritonitis, Cerebral hemorrhage, Cerebral hemorrhage, Cerebral neoplasm, Cerebral neoplasm, Cerebrospinal syphilis, Cerebrospinal syphi	Circulatory System. Acute cardiac dilatation, Cerebral arteriosclerosis, Cerebral thrombosis,

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	Respiratory System. p-pneumonia, a and broncho-pneulosis, pulmonary,	is,	Syster phrit		eases to tifica	
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ditis ditis litis,	Resp -pne a and losis,	Dig iterit gasti	enite aphri inter pare	Ext	dea (cor	Τ,
Endocarditis, acute, Endocarditis, chronic, Myocarditis, chronic,	Respiratory Syste Broncho-preumonia, Influenza and broncho-pn Tuberculosis, pulmonary,	Digestive System Acute enteritis, Chronic gastro-enteritis,	Gonic onic	External Car Starvation, Suicide by hanging,	Ill-defined Diseas Sudden death due to causes (coroner's certifi	Total,
Enc	Bro Infl Tuk	Acu	Genitourinary System Acute nephritis, Chronic interstitial nephrit Chronic parenchymatous n	Star	Sud	

Table 16. — Causes of Death of Patients classified with Reference to Principal Psychoses — Continued.

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	TTTA OX.	Totals.		111
	DEMENTIA PRÆCOX.	Females.	11111111111 1 2 211111	111
	Δ μ	Males.	11411111111 011111	
	ON LIA.	Totals.	HH111111111111111	1 1 1
	INVOLUTION MELANCHOLIA.	Females.	HH1111111111111	1 1 1
	INV	Males.	11111111111111	111
	/E.	Totals.	Helifett it eitiit	111
	MANIC- DEPRESSIVE.	Females.	111111111111111111111111111111111111111	1 1 1
	M	Males,	Hellel II elli	1 1 1
	ER.	Totals.	11100-1	14.1
	WITH OTHER SOMATIC DISEASES.	Females.	111441411111111111111111111111111111111	1 1 1
SES.	WITI SO SIG	Males.	[[]]	111
Psychoses.	¥	Totals.		111
<u> </u>	WITH PELLAGRA.	Females.	111111111111111111111111111111111111111	1 1 1
		Males.	111111111111	1 1 4
	DUE TO DRUGS AND OTHER EXOGENOUS TOXINS.	Totals.		1 1 1
		Females.		1 1 1
		Males.		1 1 1
	· ·	Totals.		111
	АГСОНОГІС.	Females.	111011110 11 111111	1 1 1
	ALO	Males.	111111111 = 111111	111
	ER US	Totals.		1 1 1
	WITH OTHER BRAIN OR NERVOUS DISEASES,	Females.	THITTIEL TITLET	1 1 1
	WITE B OR N DIS	Males.	111111111 11 114144	111
			· · · · · · · · · · · · · · · · · · ·	
	Слове ог Dеатн.		General Diseases. Carcinoma of intestines, Carcinoma of rectum, Carcinoma of rectum, Carcinoma of rectum, Disbetes mellitus, Disseminated tuberculosis, Expithelioma of face, Expithelioma of face, Expithelioma form streptococcic infection, Tubercular peritonitis, Cerebral homorrhage, Cerebral homorrhage, Cerebral homorrhage, Cerebral homorrhage, Cerebral homorrhage, Cerebral homorrhage, Cerebral paralysis of the insane, Locomotor ataxia,	Circulatory System. Acute cardiac dilatation, Cerebral arteriosclerosis, Corebral thrombosis,
	CA		Carcinoma of in Carcinoma of in Carcinoma of in Carcinoma of in Carcinoma of in Carcinoma of in Carcinoma of Epithelioma of Expithelioma of Expithelioma of Expithelioma of Expithelioma of Carcinoma. Septicamia from Carcinoma. Tubercular perfection. Tubercular perfection. Cerebral hemogle Ce	Cir Acute cardi Cerebral ar Corebral 4b

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1 1	1	1 1	111	1 1	1	က
Endocarditis, acute,	Respiratory System. Broncho-pneumonia, Influenza and broncho-pneumonia, Tuberculosis, pulmonary,	Dipestive System. Acute enteritis,	Genitourinary System. Acute nephritis, Chronic interstitial nephritis, Chronic parenchymatous nephritis,	External Causes. Starvation, Suicide by hanging,	Ill-defined Diseases. Sudden death due to natural causes (coroner's certificate),	Total,

Table 16.—Causes of Death of Patients classified with Reference to Principal Psychoses—Concluded.

			-						Ps.	Psychoses.	.88.			-			=		
CAUSE OF DEATH.	PARANOIA AND PARANOIC CONDITIONS.	RANOIA FIONS,		EPILEPTIC.	TIC.	z	PSYCHO- NEUROSES.	0- 3ES.	WI STIT PSYC INF	WITH CON- STITUTIONAL PSYCHOPATHIC INFERIORITY.	N- TAL TAL	WITH	WITH MENTAL DEFICIENCY.		NDIAG	UNDIAGNOSED.		NOT INSANE.	ANE.
	Males.	Females.	Totals.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males. Females.	Totals.	Males.	Females.	Totals.
Carcinoma of intestines, Carcinoma of intestines, Carcinoma of return, Carcinoma of return, Carcinoma of return, Carcinoma of stomach, Disbettes mellitus, Dispithelioma of face, Epithelioma of face, Ryspohthalmic geiter, Myxcedena, Myxcedena, Septicemia for streptococcic infection, Tubercular porttonitis, Cerebral hemorrhage, Cerebral hemorrhage, Cerebral paralysis of the insane, Corebral paralysis of the insane, Locomotor ataxia, Tube-parcesis, Tube-parcesis, Circulatory System. Cerebral arterioseletosis, Cerebral atterioseletosis, Cerebral thrombosis,	111111111111111111111111111111111111111				11111111111 11111 11111					1111111111 11111 111				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			11111111111 #11111 111		11111111111

Endocarditis, acute,	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	 	1 1 1	1 1 1	1) 1	1 1 1	1 1 1	1 1 1	- 1 1	1 1 1	- 1 I
Respiratory System. Brancho-pneumonia, Influenza and brancho-pneumonia, Tuberculosis, pulmonary,	111	111	111	1 1 1	111	111	111	111	111	111	1 1 1	1 1 1	1 1 1	111.	111	, 111	1 1 1	1 = =	1 1 1	1
Acute enteritis,	1 1	1.1	1 1	1 1	1.1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1.1
Genitourinary System. , Acute nephritis, Chronic parenchymatous nephritis,	1 1	1 1	I I	1.1	1 1	1 1	1 1	1 1	1 1	- 1 1	1 1	1 1	1 1	1 1	1 1	1.1	1 1	11	1 1	1 1
Starvation, External Causes. Suicide by hanging,	1 1	1.1	1 1	F I	1 1	1 1	1 1	i i	1.1	11	1 1	1 1	1 1	l I	1 1	1 1	1 1	1 1	1 1	1 1
Ill-defined Diseases. Sudden death due to natural causes (coroner's certificate), .	ı	1	ı	1	ı	ı	1	1	ı	· ·	1	1	1	t	ı	_ 1	ı	.1	1	1
Total,	ı	i	,	ι	1	ı	<u> </u>	1	1	1	ı	<u> </u>	1	1	ı	1	ı	4	1	4

Table 17. — Age of Patients at Time of Death classified with Reference to Principal Psychoses.

H	F	Totals.	
l	40-44.	Females.	
	2	Males.	111011-111111011111111
		Totals.	
	39.		
	35-39.	Females.	
		Males.	
	- j	Totals.	111111111111111111111111111111111111111
	30-34.	Females.	
		Males.	111111111111111111111111111111111111111
gi	نه	Totals.	H H H H H H H H H H
YEARS.	25-29.	Females.	
		Males.	
		Totals.	111111111111111111111111111111111111111
	20-24.	Females.	111111111111111111111111111111111111111
	2	Males.	1111111111111111111111111
		Totals.	
	15-19.	Females.	[]]]]]]]]]]]]]]]]]]]
	ä	Males.	
	15.	Totals.	11111111111111111
		Females.	
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Table 17. — Age of Patients at Time of Death classified with Reference to Principal Psychoses — Concluded.

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	75-79.	Females.	(41)	4
	12	Males.	11911111111111111111111	-
		Totals.	1,001111111014101111114	21
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	2	Males.	100111111110010111111	101
	===	Totals.		
	65-69.	Females.	1411-11111111111111111	1
·S.	65	Males.		2
Y EARS.		Totals.	115-111-1110-1111111	13
	60-64.	Females.		
	9	Males.	110-1111111111111	2
		Totals.	11-01110-11-01-11111	9
	55-59.	Females.		3 1
	55	Males.	11-0141-111101-111111	7
		Totals.	1-11-1-110-001111111	13
	50-54.	Females.	1111-1-1-1-11110111111111	- C
	Ē	Males.	1-1-1-11110-1201111111	∞
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Table 18. — Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses.

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		Males.	H 44	20
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	8-12.	Females.	[]-1[]]]]]]	က
	ω.	Males.	140411114114114111111	10
		Totals.	100041110111111011111111111111111111111	15
	4-7.	Females.	101-1110111-1111111	9
HS.		Males,	110341111111111111111111111111111111111	6
Монтня		Totals.	112211111111111111111111111111111111111	78
	1-3.	Females.	146001411110110110111111	9
		Males.	110-111-111011-111111	12
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Table 18. — Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses — Concluded.

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	Totals.		
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=	Males.	11111111111111111111111111111111111111	
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7-8.	Totals.	111111111111111111111111111111111111111	·~
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Table 19. — Family-care Department.

	Males.	Females.	Totals.
Remaining Oct. 1, 1918,	3	17	20
Committed within the year,	1	8	9
Whole number of cases within the year,	4	25	29
Dismissed within the year,	1	8	9
Returned to institution,	_	8	8
Discharged,	-	-	-
Died,	1	-	1,
Escaped,	_	-	-
Remaining Sept. 30, 1919,	3	17	20
Supported by State,	· -	15	15
Private,	2	2	4
Self-supporting,	1	-	1
Number of different persons within the year,	4	23	27
Number of different persons admitted,	1	6	7
Number of different persons dismissed,	1	6	7
Daily average number,	2.978	17.10	20.078
State,	_	14.635	14.635
Private,	1.978	2.465	4.443
Self-supporting,	1	_	1





The Commonwealth of Wassachusetts

ANNUAL REPORT.

OF

THE TRUSTEES

OF THE

NORTHAMPTON STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1920

DEPARTMENT OF MENTAL DISEASES



BOSTON
WRIGHT & POTTER PRINTING CO., STATE PRINTERS
32 DERNE STREET

Publication of this Document approved by the Supervisor of Administration.

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OF THE

NORTHAMPTON STATE HOSPITAL.

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Mr. Edward C. Gere,				Northampton.
Mr. Harry L. Howard, .				Hatfield.
Mr. Joseph W. Stevens, Secretary	,			Greenfield.
Mrs. Emily N. Newton				. Holyoke.
Miss Caroline A. Yale, .				Northampton.
LUKE CORCORAN, M.D., Chairman,				Springfield.
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RESID	ENT	י האר	TCER	s
John A. Houston, M.D.,	2277	OII	LOLLIU	. Superintendent.
	•	•	•	
EDWARD W. WHITNEY, M.D.,	•	•	•	. Assistant Superintendent.
ANGELA BOBER, M.D.,			•	. Senior Assistant Physician.
ARTHUR N. BALL, M.D.,	•	•	•	. Senior Assistant Physician.
			•	. Assistant Physician.
				. Assistant Physician.
HARRIET W. WHITNEY, M.D.,				. Physician to Out-patient
				and Social Service De-
				partments.
NONRES	IDE	NT O	FFICE	BS.
Miss Eva L. Graves,	٠	•	•	. Chief Clerk and Treasurer
				(office at the hospital).
 				. Dentist.
HEADS C	FI	EPAF	TME	NTS.
	F I	EPAF	TME	
Mr. L. W. SINCLAIR,		EPAF	TME:	. Engineer.
Mr. L. W. SINCLAIR, Mr. GEORGE B. ALLEN,			•	. Engineer. . Farmer.
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Mr. L. W. SINCLAIR, Mr. GEORGE B. ALLEN, Mr. FRANK W. SMITH, Miss S. E. WARREN, ———————————————————————————————————) F F		CIANS	Engineer. Farmer. Steward. Matron. Social Service Worker. Director of Occupation Therapy. S AND SURGEONS. Springfield. Northampton. Northampton.
Mr. L. W. SINCLAIR, Mr. GEORGE B. ALLEN, Mr. FRANK W. SMITH, Miss S. E. WARREN, ———————————————————————————————————) F F	PHYSI	CIANS	Engineer. Farmer. Steward. Matron. Social Service Worker. Director of Occupation Therapy. S AND SURGEONS. Springfield. Northampton. Northampton. Springfield. Springfield.
Mr. L. W. SINCLAIR, Mr. GEORGE B. ALLEN, Mr. FRANK W. SMITH, Miss S. E. WARREN, ———————————————————————————————————)F F		CIANS	Engineer. Farmer. Steward. Matron. Social Service Worker. Director of Occupation Therapy. S AND SURGEONS. Springfield. Northampton. Northampton.



The Commonwealth of Wassachusetts

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital present herewith their annual report, and the reports of the superintendent and the treasurer, for the year ending Nov. 30, 1920.

The daily average number of patients cared for was 1,007.56, at an expenditure of \$350,474.41. The per capita cost was greater than in years gone by because of higher costs of labor and of supplies, but though the daily average number of patients was larger than the number for which the appropriation was made, we were able to turn back into the State treasury the sum of \$37,510.17.

Our receipts during the year were as follows: from board of patients, \$78,476.30; from sales, \$3,196.32; miscellaneous receipts, \$1,819.59, making a total of \$83,492.21.

The net weekly per capita cost was \$6.6892.

The condition of overcrowding mentioned in every annual report for many years has continued and cannot be relieved till definite measures are taken to increase our accommodations in some such manner as urged by us in former reports. In connection with this we mention the project of establishing in the western part of the State a hospital for the examination and observation of nervous and mental cases pending the determination of commitment to the State hospital. This has already met with the approval of the Department of Mental Diseases, and in a way has had the sanction of a former Legislature. This project may well await a more favorable time when the care of its dependents is not so great a burden to the State, but we wish to keep the matter before the public,

and hope the day may not be too far in the future when the project may become an accomplished fact.

The Legislature of 1920 made an appropriation of \$7,500 for the purchase of land and buildings. At the present date we have purchased the so-called Kellogg property on Grove Street, consisting of a house and barn and two acres of land adjoining other land belonging to the hospital. There was a delay in procuring a clear title, so that we have not yet been able to make any use of the house, but we had good hay crops and a fair quantity of fruit, — apples, peaches and grapes. The property will make a valuable addition to our holdings.

The great difficulty that we experienced during the period of the war in obtaining help of all kinds has continued throughout the year. In some kinds of labor this was due to the larger wages paid outside the institution, but now we are having more applications, and are able to make some kind of a selection of our help, a thing hardly possible for many months past. We are still very short on our medical staff and in our nursing service. However, we have had no serious accident or unfortunate circumstance due to our shortage of help. As a rule, those who have remained in our service have been loyal, and nearly every one has given many extra hours of service. To them we give much praise and an expression of our appreciation.

We have made regular visits to the institution, and have been pleased at the quite general appearance and frequent expressions of contentment of the inmates.

Our dentist, Philip Stone, resigned September 10, and on the last day of the year our head farmer left us to accept a position elsewhere.

There has been no change in the personnel of our Board during the year.

CHARLES W. KING.
EDWARD C. GERE.
HARRY L. HOWARD.
JOSEPH W. STEVENS.
EMILY N. NEWTON.
CAROLINE A. YALE.
LUKE CORCORAN, M.D.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

The superintendent's report of the affairs of the hospital for the year ending Nov. 30, 1920, is herewith presented.

The number of patients in the hospital at the beginning of the statistical year, Oct. 1, 1919, was 982; there were 20 in family care, 189 on visit and 25 on elopement (as carried on our books over a period of several years), a total of 1,216. There were admitted 448, thus making a total number on our books of 1,664.

The number discharged during the year was 445, leaving 975 in the hospital, and 244 on our books at the end of the year, — 10 in family care, and 234 on visit and escape.

The daily average number in the institution during the year was 1,008, and the largest number on any one day was 1,053.

Of 448 patients admitted during the year, 349 had never been in any hospital for the care of mental cases, and these are the cases that figure in the statistical tables appended to this report. The remaining 97 had been in this hospital previously, or in some other hospital for the care of mental cases.

Of the 349 first admissions, 132 were foreign born and 74 were of foreign parentage. The foreign born were of the following races: 11 Austrians, 29 Canadians, 1 Danish, 3 English, 1 French, 7 German, 1 Greek, 27 Irish, 12 Italian, 14 Polish, 16 Russian, 5 Scotch, 4 Swedish, 1 Turkish.

As usual in recent years there were many old persons admitted; 33 were between seventy and eighty years of age, 15 over eighty, 1 man ninety-two, 1 man ninety-five, and 1 woman ninety.

The average age of all patients admitted was forty-four years.

The principal psychoses among the first admissions were as follows: dementia præcox, 96; manic-depressive, 49; senile psychosis and cerebral arteriosclerosis, 57; alcoholic, 23; somatic psychoses, 18; general paresis, 14.

Voluntary cases to the number of 17 were admitted.

The temporary-care cases and observation cases numbered 188, of which number 19 were discharged before the expiration of the time limit without being committed.

In our report of last year it was noted that there was a marked decrease in the number of cases admitted in which the cause was the excessive use of alcohol. The same has been true of the cases admitted this year, there having been only 23 cases in which alcohol was the principal causative factor.

The dismissals numbered 445, of which number 73 were discharged as recovered, 76 as improved, 47 as not improved, and 7 as not insane.

The Department of Mental Diseases transferred 106 patients to other institutions, as follows: Monson State Hospital, 5; Grafton State Hospital, 45; Medfield State Hospital, 47; Gardner State Colony, 7; McLean Hospital at Waverley, 1; Dr. Mellus' Sanitarium at Newton, 1.

The deaths numbered 136 during the year. The principal causes of death were as follows: cerebral hemorrhage in 46 cases; paralysis of the insane in 13 cases; other gross brain lesions in 8 cases; chronic myocarditis in 21 cases; tuberculosis in 7 cases. One patient died of pellagra. Nearly every year recently we have had cases of pellagra. It is probable that we had cases in earlier years, but were not familiar enough with the disorder to make a diagnosis.

During the early part of the year there was a good deal of illness throughout the hospital, including 180 cases of influenza of a mild type, confined to the women's side of the institution, and 14 cases of typhoid fever. The source of the epidemic of typhoid fever was not definitely ascertained by the district health officer who made investigation, but it seemed likely to be due to a typhoid carrier in the general kitchen. The possibility of such an epidemic being caused by a carrier makes apparent the need of having examined thoroughly all employees and patients who handle food supplies in any way in order to make sure they are not typhoid carriers.

Wassermann tests were made in 236 cases, of which number 33 were positive.

Considerable interest in the study of endocrines, the effect of overactivity and of underactivity of certain of the internal glands, has been shown by our staff. A number of patients are under treatment at the present writing, with seemingly excellent results, but not enough cases have been studied to warrant making an extended report, except that it seems probable that in some cases a very hopeful outcome may be expected.

All the routine activities of the hospital were conducted as usual, but under great stress, due to an extreme shortage of help in all departments. With a quota of 223 employees allowed us the average number on our pay roll throughout the year was only 127, and at times there were less than 100. Every one did extra duty. On the wards and in some other departments patients were given keys and conducted themselves as well as the employees, so well, in fact, that eight patients were placed on the pay roll.

Our social service work was curtailed somewhat by one of our helpers leaving the service in June, but was continued under Dr. Whitney. A brief report of the work is as follows:—

Fewer patients than usual were placed in family care. Families that otherwise would have been glad to receive patients could not afford to board them at the rate we were allowed to pay, and for the same reason some of the patients who had been in family care for years were returned to the hospital. Statistical Table No. 19 attached to this report shows the number of family-care cases.

The clinics at Springfield, Greenfield, Pittsfield and North Adams were continued as usual. These have met with great public approbation, and have served to increase public confidence in the institution.

The number of inquiries at the clinics were 121 men and 116 women, a total of 237; patients reporting, 97 men and 96 women, a total of 193; consultations, 26 men and 30 women, a total of 56. Consultations other than at the clinics numbered 14 men and 26 women, a total of 40. Besides the above we examined 45 feeble-minded children, — 28 male and 17 female.

Our dentist resigned on September 10, after which those patients most in need of treatment were sent to dentists in

town. At the time of his leaving, the following dentistry had been done by him: extracting, 678; prophylaxis, 262; pyorrhœa, 15; alloy filling, 437; enamel filling, 196; cement filling, 6; gold crowns, 8; porcelain crowns, 5; bridgework, 9; upper rubber plates, 18; lower rubber plates, 17; partial plates, 5; lancing of abscess, 37; repair of bridgework, 1; repair of plates, 18; root amputation, 6.

The training school work has continued as usual, though there were but few pupils in our classes. Three nurses were graduated, — Mrs. Lillian Odell, Miss Josephine Perkowska and Miss May Jacobs. To our gratification they have preferred to remain in our service. Five pupil nurses are now taking the affiliating course at Tewksbury State Infirmary. The new class just beginning numbers five.

The standards of the training schools in the State institutions are being raised to meet the requirements for registration in any State in the Union. For this reason our classes for the present are likely to be small. There is such great demand for pupil nurses in general hospitals everywhere that young women with a sincere desire for training have no difficulty in finding places open to them in the general hospitals, the nature of our service making State hospitals second choice.

The farm report shows the results of the year's work to have been very variable and in some respects disappointing. The herd of cows made an excellent record in milk production and the herd itself has improved. Nearly all the mature animals are registered, and all of the young stock we are raising are eligible for registry. Eight of the bulls and heifers were exhibited at the Eastern States Exposition in September, and eight prizes were taken, six by individual animals and two by groups of them. The crops raised compared only favorably with the record of other years. The corn crop was very small, and the potato crop less than 50 per cent of what was hoped for, the yield being about 1,500 bushels, although a larger acreage than usual was planted.

Despite the serious disadvantages we have had we could not afford to give up the usual activities of therapeutic employment and amusement. In every department, as often recounted in our former annual reports, patients were employed, happy

13

and contented. The reports of work done by the teachers are as follows: crocheting and knitting, 356 pieces, — caps, jackets, yokes, face cloths, scarfs, sleeveless sweaters, sweaters, and 128 pairs of the following: babies' booties, bed socks, boys' stockings, house slippers, — with and without soles, — socks; basketry, reed, raffia and napkin rings, 27; beadwork; sewing and embroidery, 1,797, — hemmed pieces, hemstitched bureau scarfs, both woven and huck, Swedish bureau scarf, table runners, pillow top, camisole with crocheted edge, embroidered nightgowns, envelope chemises, guest towels with crocheted and tatted edge, lunch cloth, tatted handkerchiefs, hemstitched table cover, collars, cuffs, tray cloths, doilies, centerpieces; string work, 12 rake bags; tatting, number of yards, 116; toys, 26, - Dutch boys, monkeys, paper weights; weaving rugs, 16, - burlap, spool knitted, oriental tied, braided loom, hooked; weaving toweling, 237 yards; weaving table runners and pillow top, 18; pottery, 85 pieces; table mats, 18; bookmarks; butterfly vase stands; painted pin boxes.

In the male industrial room the following work was done: shoes soled, heeled and patched, 1,431 pairs; mattresses made from old ticks and old hair, and new ticks and new hair, 638; pillows made from old hair and old ticks, new ticks and old hair, old feather material and old cotton material, 277; rugs, 245, - rag, hooked, burlap; brooms made, 579; chairs caned, 93; net laundry bags, 32; coats and vests made from wool, 5; trousers made from wool, 26 pairs; denim coats, 81; denim trousers, 135 pairs; an overcoat and a reefer; 16 sweaters, basketry, 170 pieces, — waste, reed, hampers, trays, electric reed lamp; broom corn brushes, 13.

There were two sales of articles made by patients, — one at the county fair, which also served as an exposition of what we are doing in this way, and a Christmas sale at the hospital. In the two sales the amount of money received was nearly \$700, but the real value of the work in aiding recovery and in adding to the comfort of patients cannot be reckoned in dollars and cents.

Entertainments were held regularly, moving pictures once a week during the year, and dancing parties each week during the winter months. The holidays were observed. On St. Patrick's Day came our annual masquerade party. On the Fourth of July there were sports with prizes on the front lawn, and a band concert in the evening. Halloween had its party with games and decorations of the hall appropriate to the occasion. Thanksgiving and Christmas were celebrated as usual with a turkey dinner, and on Christmas with trees bearing presents for every one, and a concert.

Religious services were held every Sunday, mass for the Catholic patients in the morning, and services for the Protestants in the afternoon.

Other entertainments were given as follows: a concert by Al Benson, popular singer; a concert and dancing party conducted by Mr. Noble; singing by Mr. Marshall and eight others; and an entertainment by the Northampton Grange.

A large and old institution like ours requires many repairs and many additions to its equipment. The more important of our activities in these directions during 1920 are set down here as a matter of record for future reference: A storage tank for hot water was placed in the coal pocket and connections made with the 10-inch water main outside of the west door of the engine room; new water-feed controllers were attached to the water supply of the Heine boilers; a good deal of pipe covering for the conservation of heat was renewed; two threecompartment vegetable steamers were set up in the main kitchen; the installation of a sprinkler system in the shops for fire protection was begun; eleven scuttles were placed in position on the roofs to facilitate the removal of snow and ice in the places where they accumulate; three new toilet rooms were established on the third story halls of the north wing, equipped with new plumbing fixtures; a new fire pipe line was erected in the stairway of the first story halls on the north wing; the old cart shed near the storehouse was transformed into a garage to accommodate three motor vehicles; wiring of the nurses" homes was finished; concrete floors were laid in the tunnel of the south nurses' home and at the entrance of the tunnel leading to the north nurses' home; additions were made to the house purchased last year, - a new kitchen, a new dining room and a bathroom, - and the house was wired for electric lights; the electro-call system was extended to the rear of the

center building and to the shops. In all of these activities our patients took part, giving very material assistance.

New equipment received during the year included the following: a drill press; a high-speed sensitive drill; a machine shaper for the machine shop; two additional CO₂ recording instruments for the determination of carbon dioxide of each boiler separately; a new electric cable for light and power to extend directly from the engine room through the south infirmary to the south nurses' home; a stone crusher with a motor to operate it; and a concrete mixer.

During the year we have received gifts of games, clothing and money for our Christmas tree and entertainments from many people, to all of whom we express our grateful appreciation.

We are thankful to the publishers of the "Christian Register," "Our Dumb Animals" and "New League Journal" for regular issues of their periodicals.

There have been no changes in the personnel of our medical staff during the year. Three vacancies exist which we have been unable to fill. A scarcity of physicians in the community at large, the unattractive remuneration that we may offer, and the nature of our work that appeals to but few, contribute to this unhappy situation. Meanwhile every member of our staff has been subject to arduous service night and day. I am pleased to make acknowledgment of their devotion to duty.

The counsel and encouragement given the staff and myself by your Board have been of great comfort to us throughout the year.

JOHN A. HOUSTON,

Superintendent.

\$1,244,155 19

VALUATION.

Nov. 30, 1920.

REAL ESTATE.

Land (513 acres),									\$120,787	50
Buildings,									893,871	25
									\$1,014,658	 75
		F	ERS	ONAL	Pro	PER	ΓY.			
Travel, transporta	tion	and	office	e exp	enses	s, .			\$5,590	57
Food,									15,773	02
Clothing and mate									18,615	70
Furnishing and ho	useh	old s	uppl	ies,					83,397	05
Medical and gener									1,828	61,
Heat, light and po	wer,								27,396	95
Farm and stable,									49,825	16
Grounds,									5,652	27
Repairs,									21,417	11
								,	\$229,496	44
				Sum	MAR	Y.				
Real estate, .									\$1,014,658	75
Personal property,										

TREASURER'S REPORT.

To the Department of Mental Diseases.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1920: —

CASH ACCOUNT,											
Balance Dec. 1, 1919, .								\$1,260	70		
			Rec	eipts.							
Institution Receipts.			1000	cipia.							
Board of inmates: —											
Private				\$43,096	11						
Reimbursements, insane,	•	•	•	35,380							
Reimodisements, msane,	•	•	•			\$78,476	30				
Sales: —						Ψ10,110 €	,,				
Travel, transportation and	of	fice	ex-				-				
penses,				\$67	68						
Food	·		·	1,776							
Clothing and materials,	Ċ		·	421							
Furnishings and household s					00						
		proc			15						
Heat, light and power, .	•	•	•	-	98						
Farm and stable:—	•	•	•	•	•						
Cows and calves, .	9	\$685	00								
Pigs and hogs,	• •		00								
For condemned ox,	•		00								
Use of teams,	•		00								
Sundries	•		25								
Sundies,	•	21	20	775	95						
Repairs, ordinary,					23 77						
	•	•	•								
Industries,	•	•	•	920	48	4,116	20				
Miscellaneous receipts: —						4,110	50				
Interest on bank balances,				\$201	97						
Rent	•	•	•		00						
Reimbursement, Board of F					74						
Reimbursement, Board of F	ten	rem	ent,	ے ک	74	899	11				
						099	11	02.400	01		
Receipts from Treasury of	C	3442 4442 6	mana	alth				83,492	21		
Maintenance appropriations:		minec	nwe	aun.							
Balance of 1919,						\$24,486	40				
Advance money (amount or		1	· •		•	9,000 (
Approved schedules of 1920			NOV	ember 50)		319,152					
Approved schedules of 1920	,	•	•		:	319,132	± 1	250 620	07		
Special appropriations, .							_	352,638			
opecial appropriations, .	٠	•			•	• •	•	2,379	90		
Total,							•	439,771	3/		
Total,	•	•			•		. Ф	100,111	O.T.		

PAYMENTS.

To treasury of Commonwealth	n: —									
Institution receipts, .						\$83,4	192 21	1		
Refunds account of mainten							62			
200743145 2000 2001	,							_	\$83,492	83
7.5									***,-*-	
Maintenance appropriations:						@OF 5	7477 37	`		
Balance November schedule	9, 1919	, .				\$25,	747 10	J		
Eleven months' schedules, l	1920, .		\$319	,152	47					
Less returned,					62					
						319,				
November advances, .						14,8	871 92	2		
								-	359,770	87
Special appropriations, approv	ed sch	edules	3, .						2,379	56
Deficit, Nov. 30, 1920, .									5,871	92
								_		
Total,									\$439,771	34
1000,							·		V 200,	-
	м	AINTE	N A N	rir)						
Palance from previous year, b	rought	forw	ard,						\$32,084 355,900	58
Appropriation, current year,									355,900	00
								_		
Total,									\$387,984	58
Expenses (as analyzed below)									350,514	
2.19 (,							_		
Balance reverting to treas	surv of	Com	mon	wealt	h.				\$37 470	57
Balance leveling to treat	ou., o.	· COIII	111011		,	•	•	•	ψο.,1.0	٠.
	A nali	ısis of	Ext	enses						
Personal services	A nal y	ysis of	Exp	enses						
Personal services:—		•	•	enses		\$4	650 O	n		
John A. Houston, superinte	endent,						650 00			
John A. Houston, superinte	endent,			enses		8,	201 0	3		
John A. Houston, superinte Medical, Administration,	endent,					8, 7,	201 0 114 9	$\frac{3}{4}$		
John A. Houston, superinte Medical,	endent,			· · ·		8,: 7, 7,	201 03 114 9 581 9	3 4 0		
John A. Houston, superinte Medical,	endent,					8, 7, 7, 8,	201 03 114 94 581 94 448 24	3 4 0 0		
John A. Houston, superinte Medical,	endent,					8, 7, 7, 8, 15,	201 03 114 9 581 9 448 2 790 0	3 4 0 0 6		
John A. Houston, superinte Medical,	endent, ervice, .					8,7,7,7,8,15,15,	201 03 114 9- 581 9- 448 2- 790 0- 472 5	3 4 0 0 6 1		
John A. Houston, superinte Medical,	endent,	ment				8,7,7,7,8,15,15,2,	201 03 114 9- 581 9- 448 2- 790 0- 472 5 152 9	3 4 0 0 6 1 7		
John A. Houston, superinte Medical,	endent,	ment				8,7,7,7,8,15,15,2,	201 03 114 9- 581 9- 448 2- 790 0- 472 5	3 4 0 0 6 1 7		
John A. Houston, superinte Medical,	endent,	ment,				8,7,7,8,15,2,16,	201 03 114 9- 581 9- 448 2- 790 0- 472 5 152 9	3 4 0 0 6 1 7 5		
John A. Houston, superinte Medical,	endent,	ment,				8,7,7,7,8,15,15,15,16,10,10	201 03 114 9- 581 9- 448 2- 790 0- 472 5 152 9 380 1	3 4 0 0 6 1 7 5		
John A. Houston, superinte Medical,	endent,	ment,				8,7,7,8,15,15,2,16,10,11,	201 00 114 9- 581 9- 448 2- 790 0 472 5 152 9 380 1 420 3	3 4 0 0 6 1 7 5 7		
John A. Houston, superinte Medical,	endent,	ment,				8,7,7,8,15,15,2,16,10,11,	201 03 114 9- 581 9- 448 2- 790 0 472 5 152 9 380 1 420 3 621 1	3 4 0 0 6 1 7 5 7	\$110.224	75
John A. Houston, superinter Medical,	endent,	ment,				8,7,7,8,15,15,2,16,10,11,	201 03 114 9- 581 9- 448 2- 790 0 472 5 152 9 380 1 420 3 621 1	3 4 0 0 6 1 7 5 7	\$110,224	75
John A. Houston, superinter Medical,	endent,	ment,				8,7,7,8,15,15,2,16,10,11,2,	201 0: 114 9- 581 9- 448 2- 790 0 472 5 152 9 380 1 420 3 621 1 391 4	3 4 0 0 6 1 7 5 7 8 4	\$110,224	75
John A. Houston, superinter Medical,	endent,	ment				8,7,7,7,8,15,15,15,10,11,2,	201 0: 114 9- 581 9- 448 2: 790 0 472 5 152 9 380 1 420 3 621 1 391 4	3 4 0 0 6 1 7 5 7 8 4	\$110,224	75
John A. Houston, superinter Medical,	endent,	ment				8,7,7,7,8,15,15,15,10,11,2,	201 0: 114 9- 581 9- 448 2- 790 0 472 5 152 9 380 1 420 3 621 1 391 4	3 4 0 0 6 1 7 5 7 8 4		
John A. Houston, superinter Medical,	endent,	ment,				8,7,7,7,8,15,15,15,10,11,2,	201 0: 114 9- 581 9- 448 2: 790 0 472 5 152 9 380 1 420 3 621 1 391 4	3 4 0 0 6 1 7 5 7 8 4	\$110,224 1,070	
John A. Houston, superinter Medical,	endent,	ment,				8,7,7,7,8,15,15,15,10,11,2,	201 0: 114 9- 581 9- 448 2: 790 0 472 5 152 9 380 1 420 3 621 1 391 4	3 4 0 0 6 1 7 5 7 8 4		
John A. Houston, superinter Medical,	endent,	ment,				8,7,7,8,15,15,2,16,10,11,2,	201 0: 114 9- 581 9- 448 2: 790 0 472 5 152 9 380 1 420 3 621 1 391 4	3 4 0 0 6 1 7 5 7 8 4 4		
John A. Houston, superinter Medical,	ervice, depart	ment,				8,7,7,8,15,15,2,16,10,11,2,	201 0: 114 9- 581 90 448 20 790 0 472 5 152 9 380 1 420 3 621 1 391 4	3 4 0 0 6 1 7 5 7 8 4 		
John A. Houston, superinter Medical,	ervice, depart	ment,				8,7,7,8,15,15,2,16,10,11,2,	201 0: 114 9- 581 90 448 20 790 0 472 5 152 9 380 1 420 3 621 1 391 4 600 0 470 0	3 4 0 0 6 1 7 5 7 8 4 		
John A. Houston, superinter Medical,	ervice, depart	ment				8,7,7,7,8,15,15,15,16,10,11,2,	201 00 1114 9- 581 9- 448 2 790 0 0 472 5 152 9 380 1 420 3 6621 1 391 4 600 0 470 0	3 4 0 0 6 1 7 5 7 8 4 		
John A. Houston, superinter Medical,	ervice, depart	ment				8,7,7,7,8,15,15,15,16,10,11,2,	201 03 114 9- 581 9- 448 2- 790 0 472 5 152 9 380 1 420 3 621 1 391 4 	3 4 0 0 6 1 7 5 7 8 4 		
John A. Houston, superinter Medical,	ervice, depart	ment,				8,7,7,7,8,15,15,15,16,10,11,2,	201 00 1114 9- 581 9- 9448 2:2790 0 4472 5 380 1 420 3 621 1 391 4 600 0 470 0	3 4 0 0 0 6 1 7 5 7 8 4 — 00 0 — 6 00 9 6 6 — -		00

Amounts br	ought	forw	ard,							\$1,191	81	\$111,294	75
Travel, transpo													
Stationery an	d offic	e su	pplie	s,						1,482	5 8		
Telephone an	d tele	grap	h,							1,186	35		
										1,512	97		
Trucking,	•									73	00		
Express, .	·								-	323			
Bond, .	•	•						·	٠		00		
Bona, .		•	•	•	•	•	•	•	•			5,805	43
Food: —													
Flour										\$16,705	19		
Cereals, rice.	meal.	etc								2,976			
Flour, . Cereals, rice, Bread, cracke	rs etc	,				•	٠			147			
Peas and bear	ns (an	nnad	ond	dri		•	•	•	•	2,297			
							•	•					
Macaroni and						•	٠	•	٠	584			
Potatoes, . Meat, .	•	•	•	•	•	•	•	•	٠	3,080			
Meat, .	•									19,242	45		
Fish (fresh, co	ured a	nd c	anne	d),						3,858	22		
Butter, .										3,176	40		
Butterine, etc										4,792	26		
Cheese, .										1,881			
Coffee, .			•	•	•	•	•	•	•	691			
Coffee substit				•	•	•	•	•	•	566			
				•	•	•	•	•	•				
Tea,					•		•	•	•	475			
Cocoa, .						•			•	389			
Whole milk,										486	20		
Eggs (fresh),										5,667	25		
Sugar (cane),										5,891	46		
Fruit (fresh),										604	95		
T3 '4 (1 ' 1	1		11							4,063	71		
Lard and sub Molasses and	stitute	-c	/,			•	•	•	•	1,985			
Mologges and	arreiro	, 	•	•		•		•	•	1,030			
Molasses and	syrup	18,	•	•	•	•		•	•				
Vegetables (fi					•	•		•	٠	99			
Vegetables (ca								•	•	99			
Seasonings an	d con	$_{ m dime}$	nts,							751	51		
Yeast, baking	powd	ler, e	tc.,							486	25		
Sundry foods,										86	29		
Gelatine, .										60	64		
Pie filling,											44		
Ginger ale,	·					•	•	•			71		
Tapioca, .	•				•	•	•	•	٠		52		
rapioca, .	٠	•	•	•	•	•		•	٠			82,261	40
Clothing and m	aterial	ls:										·	
Boots, shoes a										\$2,192	13		
Clothing (out						•	•	•	•	935			
Clothing (und						•	٠	•	•				
				•	•	•	٠		•	1,794			
Dry goods for						•	٠		•	4,750			
Hats and cap							٠		•	70			
Leather and s	shoe fi	ndin	gs,							129	75		
Machinery fo										33	33		
Socks and sm										1,208	10		
Industries,										696			
,												11,810	65
Amount car	ried fo	าากา	·d									\$211,172	22
zino ana can	, was je	, war	u,	•	•	•		•	•		•	Ψ11,114	20

Amount brought forward,	•	•	٠	•	•	•		•	\$211,172	23
Furnishings and household su	ıppli	es: —	-							
Beds, bedding, etc., . Carpets, rugs, etc., .							\$7,340	18		
Carpets, rugs, etc., .							38	25		
Crockery, glassware, cutler	y, e	tc.,					957	24		
Dry goods and smallwares,	, .						2,917	88		
Electric lamps,			<i>′</i> .				413	15		
Fire hose and extinguishers	S, .						129	63		
Furniture, upholstery, etc. Kitchen and household wa Laundry supplies and mate	, .						538	13		
Kitchen and household was	res,						3,128	19		
Laundry supplies and mate	erial	s, .					2,855	37		
Lavatory supplies and disir	nfect	tants.					829			
Machinery for manufactur	ing.							50		
Table linen, paper napkins							1,840	27		
, , ,	,	,							20,988	60
Medical and general care: —									,000	
							@ 4 1 4	70		
Books, periodicals, etc.,	•	•	٠		•	•	\$414			
Entertainments, games, etc	c.,		•		•	•	1,323			
Funeral expenses,	•	•		•	•		53			
Gratuities,	•			•	•	•	19			
Ice and refrigeration, .						•	717			
Laboratory supplies and ar							145			
Medicines (supplies and ap							1,510			
Patients boarded out, .					•		2,475			
Return of runaways, . Sputum cups, etc., . Tobacco, pipes, matches,							54			
Sputum cups, etc.,							. 9	34		
Tobacco, pipes, matches,							801	68		
Water,							2,947	63		
									10,474	04
Heat, light and power: -										
Coal (bituminous), .							\$34,199	97		
Freight and cartage, .							16,116	16		
Coal (screenings),							646	20		
Freight and cartage, .							206	98		
Coal (anthracite),		٠.					2,274	51		
Freight and cartage, .							819	78		
Electricity,							71 '	73		
							125			
Oil							285			
Gas, Oil,	ers a	nd en	gine	s.			301 8	. –		
- P				~,	·	·		_	55,048	02
Farm: —									,	
							\$377	20		
Bedding materials, Blacksmithing and supplies		•			•	•	470 8			
Carriages, wagons and repa	ina	•			•	•	128 3			
			•	•	•	•	71			
Dairy equipment and suppl	nes,	•	•	٠	•	•	294 (
Fencing materials,			٠	•	•	•				
Fertilizers,	•		•	•	•	•	2,937 (
Hamagaa and panai	•	٠	٠	•	٠	•	14,456 4 354 9			
Harnesses and repairs, .	•		•	•	•	•				
Horses,			r.	•	•		200 9			
Other live stock,		•	•	•	•	•	100 (
Rent,	•	٠	•	٠	•	•	150 (JU		
Amounts carried forward,							\$10.541.1	— - 16	\$297,682	80
Amounts carried forward,	•	٠	•	•		•	φ13,041]	10	ΨΔ91,00Δ ·	09

Amounts brought forward,	\$19,541 16	\$297,682 89
Farm - Con.		
Spraying materials,	189 32	
Spraying materials,	65 85	
Tools, implements, machines, etc.,	1,319 00	
Trees, vines, seeds, etc.,		
Votoriu orra comitar annuliar at-	1,974 59	
Veterinary services, supplies, etc.,	272 33	
Sundries,	40 26	
Three County Fair,	5 33	
Registration,	28 00	
Eastern States Exposition,	179 46	
Tractor supplies,	159 48	
Tractor supplies,	168 75	
		23,943 53
Garage, stable and grounds:—		
Motor vehicles,	\$2,886 60	
Motor vehicles,	1,656 58	
Blacksmithing and supplies,	5 8 6 5	
Carriages, wagons and repairs,	8 50	
Fertilizers,	15 42	
Grain	189 06	
Registration.	40 98	
Tools, implements, machines, etc.,	115 04	
m : 1	216 02	
Trees, vines, seeds, etc.,		5,186 85
Repairs, ordinary: —		-,
Cement, lime, crushed stone, etc.,	\$1,056 19	
Electrical work and supplies,	955 25	
Hardware, iron, steel, etc.,	1,146 18	
Labor (not on pay roll),	528 28	
Lumber, etc. (including finished products),	3,760 25	
Paint, oil, glass, etc.,	2,237 49	
Dlumbing and assertion		
Plumbing and supplies,	1,436 76	
Roofing and materials,	293 13	
Steam fittings and supplies,	2,362 76	
Tents, awnings, etc.,	69 00	
Tools, machines, etc.,	371 12	
Boilers, repairs,	$595\ 42$	
Dynamos, repairs,	1 58	
Engines, repairs,	8 04	/
D		14,821 45
Repairs and renewals: —	# D ## 00	
Coal savings,	\$375 00	
Hot water heater,	990 04	
Regulator,	102 00	
Arches for boiler,	518 50	
Dumb waiters,	490 00	
Feed controllers,	136 66	
50 kilowatt generators,	233 96	
2 25-horsepower motors,	814 38	
4 15-kilometer transformers,	411 40	
Cable for street light.	215 00	
Cable for light and nower	437 34	
Cable for light and power,	225 00	,
rainting,		
Amounts carried forward,	\$4,949 28	\$341,634 72

Amounts brought forward, \$4,949 2	28 \$341,634 72
Repairs and renewals — Con.	
Plumbing,	79
Power drill,	00
Machine shaper,	
Sensitive drill,	
Concrete mixer,	_
CO ₂ recording apparatus,	-
Tunnel for steam main	-
Electric transmission line	· =
Electric transmission line,	- 8,879 29
	- 0,019 29
Total expenses for maintenance,	. \$350,514 01
Special Appropriations.	
Balance Dec. 1, 1919,	. \$11,214 12
Appropriations for current year,	. 7,500 00
Total	Ø10 714 10
	. \$18,714 12
Expended during the year,	
Reverting to treasury of Commonwealth,	
	2,391 54
Balance Nov. 30, 1920, carried to next year,	. \$16,322 58
RESOURCES AND LIABILITIES.	
Resources.	
Deficit,	92
November cash vouchers (paid from advance money),	
account of maintenance,	2
	- \$9,000 00
Due from treasury of Commonwealth from available appropriatio	n
account November, 1920, schedule,	. 22,362 16
	- '
	\$31,362 16
Liabilities.	
Schedule of November bills,	. \$31,362 16

PER CAPITA.

During the year the average number of inmates has been 1,007.56.

Total cost for maintenance, \$350,514.01.

Equal to a weekly per capita cost of \$6.6900.

Receipts from sales, \$4,116.80.

Equal to a weekly per capita of \$0.0785.

All other institution receipts, \$79,375.41.

Equal to a weekly per capita of \$1.5149.

Respectfully submitted,

EVA L. GRAVES,

Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

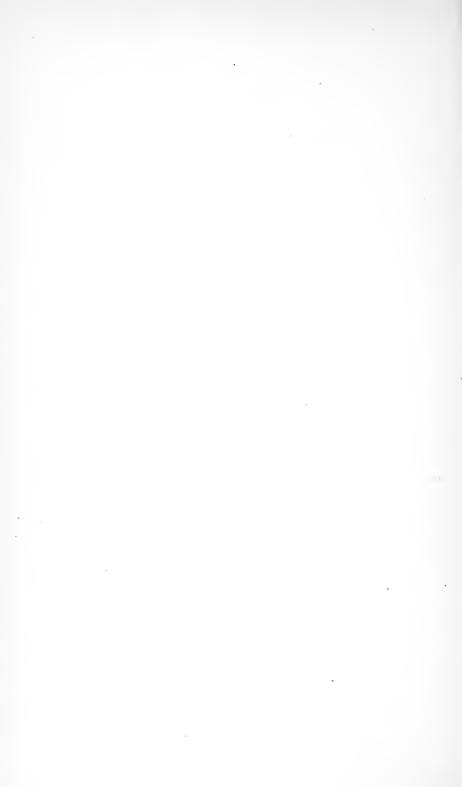
ALONZO B. COOK,

Auditor.

STATISTICAL TABLES

AS ADOPTED BY AMERICAN MEDICO-PSYCHOLOGICAL ASSOCIATION

PRESCRIBED BY MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES



STATISTICAL TABLES.

Table 1. — General Information.

1. Date of opening as an institution for the insane: Aug. 16, 1858.

2. Type of institution:			1011 1	01 01.	10 111	Sano. 1	10, 10, 10	
V 1	otate	3.						
3. Hospital plant:—								
Real estate, includ	ing b	uildi	ngs a	and l	oette	erments	, \$1,05	21,184 57
Personal property,							25	29,496 44
Total,							\$1,28	50,681 01
Acreage under cult 4. Medical service:—	ivati	on d	uring	g yea	ır, 2	10.	Women.	Totals.
Superintendents,						1	-	1
Assistant physician							$_2$	4
						<u>ت</u>	- 2	4
Medical internes,							_	_
Clinical assistants,							-	-
Total,	٠.					3	2	5

5. Employees: —	Males.	Females.	Totals.
Graduate nurses,		1	1
Other nurses and attendants,	. 22	19	42
Social workers,		1	1
All other employees,	. 42	24	67
Total,	. 65	47	112

6.	Percentage	of	patients	eı	mplog	yed	durin	ıg	Men.	Women.	Totals.
	year,								62.46	52.85	57.65

Table 2. — Financial Statement.

See treasurer's report for data requested under this table.

Table 3. — Movement of Patient Population for the Year ending Sept. 30, 1920.

,					0	тнев (OTHER CLASSES	zó.				
		Insane.		SANE	SANE, VOLUN- TARY.		TEMPO AND OI NOT C	TEMPORARY CARE AND OBSERVATION, NOT COMMITTED.	TION,	Тот	Total on Books.	OOKS.
	Males.	Females.	.slatoT	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Patients on books of institution Sept. 30, 1919,	605	611	1,2161	1	1	ı	1	1	1	605	611	1,216
Admissions during the year: (b) Readmissions, (c) Transfers from other institutions for the insane, 2. Total received during year, 3. Total under treatment during year,	164 48 212 - 212 817	168 46 214 2 2 827	332 94 426 22 428 1,644	11111	111111	11111	E 2 2 1 2 2 2	4-10-100	28 - 28 - 28 - 28	177 50 227 227 832	172 47 · 219 221 833	349 97 446 2 2 448 1,664
Discharged from books during year:— (a) As recovered, (b) As uniproved, (c) As uniproved, (d) As not insance, (e) Transferred to other institutions for the insanc, (f) Died during year, 4. Total discharged from books during year, 5. Pathen's remaining on books of institution Sept. 30, 1920,	26 44 15 15 3 60 213 604	46 25 25 1 46 68 213 614	72 71 40 4 106 133 426 1,218	111111	1111111	1111111	नरुक्टा नहीं।	1101104-	13 7 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	27 20 20 60 60 60 60 60 60 60 60 80 80 80 80 80 80 80 80 80 80 80 80 80	46 277 277 1 10 70 217 615	73 47 47 106 136 136 1.219
Supplementary Data. 6a. Average daily number of patients on books during year, 6b. Average daily number of patients actually in institution during year,	618.012	616.758	1,234.770	1 1	1 1	1 1	.058	.016	.074	618.070	616.774	1,234.844
7a. A verage daily number of patients in family care. 7b. Average daily number of patients on visit and escape, 8. Number of voluntary patients admitted during year, 9. Number of temporary-care cases admitted within the year,	2.038 104.344 78	13.521 106.967 12 90	15.559 211.311 17 168	1111	1 1 1 1	1 1 1 1	1115	11120	20	2.038 104.344 5	13.521 106.967 12 95	15.559 211.311 17 188

 Number of patients actually remaining in institution Sept. 30, 1920. 		-	-	-	=	-	-	=			
State	489 485	974	1 1	1	1	ı		489		975	
Private.		92	1	1 1	1 1	1 1	1 1	434		2776	
1. Number of patients in family care Sept. 30, 1920,		122	1 1	1 1	1	1	1	38	93	, 76 123	
Private,	1-	2	. 1	-	1 1	1 1	1 1	_		10	
Sell-supporting, 2. Number of different persons within the verr		۱ ۵	1 1	1 1	1 1	1 1	1 1	- 1	- 67	- m	
3. Number of different persons admitted from the community, 4. Number of different persons, exclusive of transfers.	212 213	1,637	1 1	1 (1 1	15	5 20	831	826	1,657	
		320	1	1	_	15	4-		171	339	
5. Number of non-insane patients or inmates in institution at end of insti- (h) Persons given advice or treatment in our-national department.	institution year, .	`.					Males.		Females.	Totals.	
TOTTO WINDOW OVER THE TOTAL OF	c during year,						œ	0	104	184	
									1		

¹ Includes one male patient on books from elopement of 1913.

Table 4. — Nativity of First Admissions and of Parents of First Admissions.

			Р	ATIENT	rs.		RENTS MALE ATIENT		OF	ARENT FEMA ATIENT	LE
Nativity.			Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
United States,			101	99	200	62	58	120	66	68	134
Austria,			7	4	11	7	7	14	5	5	10
Canada,	:		13	16	29	22	23	45	19	18	37
Denmark,			1	-	1	1	1	2	-	-	_
England,		-	1	2	3	6	2	8	4	2	6
France,			1	-	1	1	1	2	1	1	2
Germany,			3	4	7	5	5	10	7	8	15
Greece,			1	-	1	1	1	2	-	-	-
Ireland,			10	17	27	26	30	56	29	31	60
Italy,			4	8	12	5	5	10	9	8	17
Poland,			6	8	14	7	11	18	8	8	. 16
Russia,			9	7	16	10	6	16	8	8	16
Scotland,			3	2	5	4	6	10	7	6	13
Sweden,			3	1	4	3	3	6	1	1	2
Switzerland,			-	-	-	-	-	-	-	1	1
Turkey in Asia,	٠.		1	-	1	-	1	1 -	-	-	-
Total foreign born,			63	69	132	98	102	200	98	97	195
Unascertained, .			-	-	-	4	4	8	4	3	7
Grand total, .			164	168	332	164	168	328	168	168	336

Table 5. — Citizenship of First Admissions.

		Males.	Females.	Totals
Citizens by birth,		99	.96	195
Citizens by naturalization,		35	41	76
Aliens,		28	29	57
Citizenship unascertained,		2	2	. 4
Total,		164	168	332

Table 6. — Psychoses of First Admissions.

_	TABLE 0. 1 sychoses by 1 to	00 21		wone.			
	Psychoses.	Males.	Females.	Totals.	Males.	Females.	Totals.
1.	Traumatic,				_	_	_
2.	Senile, total,	18	· i	19	20	13	33
	 (a) Simple deterioration, (b) Presbyophrenic type, (c) Delirious and confused states, 	-	2	2	'		
	 (c) Delirious and confused states, (d) Depressed and agitated states in addition to 	1	3	4			
	deterioration,	-	5	5			
3.	(e) Paranoid states in addition to deterioration, With cerebral arteriosclerosis,	1	2	3	10	11	
4.	General paralysis, With cerebral syphilis,		: :	: :	13 8	11	24 14
5.	With cerebral syphilis,				1	4	5
6. 7.	With brain tumor,		: :	: :	_	1	- 1
8.	With other brain and nervous diseases, total,				3	4	7
	Tabes dorsalis, Tabo-paresis,	_	2	2			
	Cerebrospinal syphilis,	2	- 1	1 2			
	Progressive muscular atrophy, Unclassified,	1	1	1			
9.	Alcoholic, total.		l		19	4	23
	(c) Korsakoff's psychosis,	9	1	1			
	(d) Acute hallucinosis,	2	2	$\frac{9}{4}$			
10	(g) Chronic paranoid,	8	1	9			
10.	Due to drugs and other exogenous toxins, total, (a) Opium, bromides,	·i	' i		1	2	3
	(d) Cumulative effect of digitalis,	_	1	ĩ			
11. 12.	With pellagra,		• •		7	$\frac{2}{11}$	2 18
14.	(b) Post influenzal depression,		2	· .		11	18
	(c) (1) With streptococcus peritonitis	-	1	1			
	(2) With carcinoma of stomach, (3) With diabetes mellitus,	2	2 -	2 2			
	(4) With pernicious anæmia,	1	-	1			
	(5) With tuberculosis of lungs,	1	1 1	2 1			
	(d) Delirium of unknown origin,	-	2	2			
	(e) With cardio-renal disease, (f) With adiposis dolorosa (Dercum's disease),	3	1 1	4			
13.	Manic-depressive, total,				24	25	49
	(a) Manic type,	13 9	10 10	23			
	(c) Stuporous type,	1	10	19 2 3			
	(d) Mixed type,	-	3	3			
14.	(c) Stuporous type, (d) Mixed type, (e) Circular type, Involution melancholia, Dementia præcox, total,	1	1	2	_	6	6
15.	Dementia præcox, total,				40	56	96
	(a) Paranoid type,	$\frac{9}{10}$	29 17	38 27			
	(c) Hebephrenic type,	17	7	24			
16.	(a) Paranoid type, (b) Catatonic type, (c) Hebephrenic type, (d) Simple, Paranoid or paranoid conditions,	4	3	7	_	_ :	
17.	Epileptic psychoses, total,	: :	: :	: :	4	2	6
	Epileptic psychoses, total, (a) Epileptic deterioration, (b) Epileptic clouded states,	1	1	2 4			
18.	Psychoneuroses and neuroses, total.	3	1 1	. 4	2^{\cdot}	4	6
	(a) Hysterical type, (b) Psychasthenic type, (c) Neurasthenic type,	i	- }	1	-	. 1	
	(c) rsychastnenic type, (c) Neurasthenic type,	1	$\frac{2}{2}$	$\frac{2}{3}$			
19.	With psychopathic personality,		. .		$\frac{2}{9}$	1	3
$\frac{20}{21}$.	With mental deficiency,		· ·		9	1	$\frac{10}{12}$
22.	Without psychosis, total,			: :	7	8 7	14
	(a) Epilepsy without psychosis, (c) Drug addiction without psychosis,	2	1	2			
	(d) Psychopathic personality without psychosis,	_	2	2 8			
	(e) Mental deficiency without psychosis,	5	3 1				
	(f) No psychosis,			1			
	Total,		- -		164	168	332
					!		

Table 7.—Race of First Admissions classified with Reference to Psychoses.

	ER OUS	rotals.	1111101111114	7
	WITH OTHER BRAIN OR NERVOUS DISEASES.	Females.	111110111110	4
	WIT 1 OR 1	Males.	11-111111110	ಣ
	IN	Totals.	11111111111	-
	WITH BRAIN TUMOR.	Females.]	-
	WI	Males.	11111111111	1
	BRAL	Totals.	11011111110	z.
	WITH CEREBRAL SYPHILIS.	Females.	11-11-111111111111111111111111111111111	4
OSES.	WITH S.	Males.	-	-
Psychoses.	ية. ين	Totals.	11-11-2111-2	14
	GENERAL PARALYSIS,	Females.	111111111111111111111111111111111111111	9
5	G. PA	Males.	11-11	∞
	RE- RIO- IS.	Totals.	1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	24
	WITH CERE- BRAL ARTERIO- SCLEROSIS.	Females.	1111110111014	11
	WI] BRAI SCI	Males.	11011101111011	13
		Totals.	10146118111117	33
	SENILE.	Females.	1-10-110111111	13
	vs.	Males.	1404110111110	20
		Totals.	411 12 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13	332
	ToraL.	Females.	48.00 1 1 1 1 2 3 3 3 3 1 1 1 1 4 6 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	168
		Males.	1080080044-86	164
	3B.			•
	RACE.			
			1,	Total,
			African, English, French, German, German, Gereck, Hebrew, Irish, Magyar, Scandinavian Scotch,	To

Table 7.—Race of First Admissions classified with Reference to Psychoses — Continued.

	4.:	Totals.	25. 11. 12. 12. 13. 13. 13. 13. 13. 13. 14. 15. 16. 17. 18. 18. 18. 18. 18. 18. 18. 18. 18. 18	96
	DEMENTIA PRÆCOX.	Females.	20 20	99
	DE	Males.	117711791199119911991199119911991199119	40
	NC Y	Totals.		9
	INVOLUTION	Females.	11111181111110	9
	INV	Males.	111111111111	1
	RES-	Totals.	22 7 1 1 1 3 3 6 1 1 2 2 2 2 2 2 2 2 3 4 4 4 4 4 4 4 4 4 4 4	69
	MANIC-DEPRES- SIVE,	Females.	1112111211146	22
	MAN	Males.	1100111000	24
	E	Totals.	1101110110000	18
Psychoses.	WITH OTHER SOMATIC DISEASES.	Females.	11-11100111100	=
Psvc	NITA S IG	Males.	11-111110-0	7
	GRA.	Totals.	111111111116	2
	WITH PELLAGRA.	Females.	111111111111	2
	WITH	Males.	1111111111111	-
	UGS ER US	Totals.	1 1 1 1 1 1 1 1 1 1	60
	DUE TO DRUGS AND OTHER EXOOENOUS TOXINS.	Females.	1111111111111	2
	DUE AN EX	Males.	. 11111111111	_
	īc.	Totals.	1118112111124	23
	АССОНОГІС.	Females.	111-11-01-11-11	4
	AL	Males.	1110114-1-1-1-4	10
			• • • • • • • • • • • • • • • • • • • •	
	OE.			
	RACE.			.
		-	African, English, French, German, German, Greek, Hebrew, Hebrew, Hizih, Magyar, Magyar, Sandinavian, Scotch, Mixed,	Total,

Table 7.—Race of First Admissions classified with Reference to Psychoses — Concluded.

	F.	.slatoT	11611120111416
	WITHOUT PSYCHOSIS.	Females.	
	W W	Males.	1101110111(10)
	ED.	Totals.	113 121 113
	UNDIA GNOSED.	Females.	1 63 1 1 1 1
	UND]	Males.	11-11-11-11-12-4
	ral.	Totals.	10 71 11 11 11 11 11 11 11 11 11 11 11 11
	WITH MENTAL DEFICIENCY.	Females.	11111111111
OSES.	WITI	Males.	11-111-111-9 6
Psychoses.	HO-	Totals.	111111111100
	WITH PSYCHO- PATHIC PERSONALITY.	Females.	111111111111
	WITH F PERS	Males.	111111111111111111111111111111111111111
	OSES.	Totals.	0 1 1 1 1 1 1 1
	PSYCHONEUROSES	Females.	111-1101-1111 4
	PSYCH(Males.	1111111111111 6
	ri	.alstoT	0 31
	EPILEPTIC.	Females.	11-1111-1111 6
	EP	Males.	111111-11111100 4
	•		
	RACE.	•	
			African, English, English, Gerench, Gerench, French, French, French, French, Frish, Fr

Table 8. — Age of First Admissions classified with Reference to Principal Psychoses.

1 1		1	1	,
	4	Totals.	1	22
	40-44.	Females.		12
		Males.		2
,		Totals.	111441100101411414	83
	35-39.	Females.	1111-11111111-1411111-	Ξ
		Males.		17
		Totals.	111111141127181111112	43
	30-34.	Females.		26
		Males. ·	1 [[17
zi.		Totals.	11.11.11.11.11.11.11.11.11.11.11.11.11.	39
YEARS	25-29.	Females.		13
7	~3	Males.	111211112111211	56
		Totals.	11331133113	28
	20-24.	Females.		14
	Ñ	Males.	1111111111111419111110111	14
		Totals.	1 1 1 1 1 1 1 1 1 1	14
	15-19.	Females.	1	∞
	-	Males.	111111111111111111111111111111111111111	9
	15.	Totals.	11111111111111	-
	UNDER	Females.		. 1
	UNI	Males.		-
		Totals.	144 145 147 148 149 149 149 149 149 149 149 149 149 149	332
Tomar		Females.	111 111 111 112 122 132 144 144 156 167 178 178 178 178 178 178 178 178 178 17	168
-	'	Males.	100000000000000000000000000000000000000	164
				-
			· · · · · · · · · · · · · · · · · · ·	
			sclerosis, is, is, increas, increases, increases, iliseases, ilia, ic conditions, ersonality, ey,	.
	ø	.	is, is, conditions, is, conditions, conditions, conditions, corresponding, conditions, corresponding, correspon	
	PAYCHORES		sis, . 1,	. 11
	A A		ssclerosis is, chorea, chorea, nervous her exog liseases, liseases, oic condi	.
	ď		rioss rioss s et or no othor othoric rioss of district rioss rios rio	
			urtes sis, syph lon, nor, in c nd anc, ve, anc, i, thic	
			al al al al al al al al al al al al al a	
			tic, tebric pan pan pan pan pan pan pan pan pan pan	$\cdot \parallel$
			le, ce ce ce ce ce ce ce ce ce ce ce ce ce	Total,
			Traumatic, Senile With cerebral arteriosclerosis General paralysis, With cerebral syphilis, With terebral syphilis, With therebral syphilis, With the thannon's chorea, With Purain tumor, With tother brain or nervous Alcoholic, Due to drugs and other exog With pellagra, With pellagra, With tother somatic diseases, Manic-depressive, Involution melancholia, Paranoia and paranoic condification of the sychoneuroses, With psychopathic personalit With psychopathic personalit With psychopathic personalit With psychopathic personalit With psychopathic personalit With psychopathic personalit With psychosis,	To
		ı	12.2.6.4.4.3.2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	- 11

Table 8.— Age of First Admissions classified with Reference to Principal Psychoses — Concluded.

1	.	Totals.	1000111111111111111111111	15
	OVER 80.	Females.		9
	OVE	Males.	[410]]]]]]]]]	6
		Totals.	[=4]]]]]	16
	75-79.	Females.	14.00 1 1 1 1 1 1 1 1 1 1	7
	75	Males.	16-1111111111111111111	6
		Totals.	1000111111111111111111111	17
	70-74.	Females.	1004111111111111111111111111	7 1
	-02	Males.	120011111111111111111111111	10
			1440/1100-1	
	. 69	Totals.	[][][0]-[0][]-[-]	3 24
	65-69.	Females.		13
YEARS.		Males.		=
Yı	4.	Totals.	1441114401401101141111	4
	60-64.	Females.	[- - -	7
		Males.	14 1 1 400 141 1 1 1 1 1	1
		Totals.	1 1 1 1 1 1 1 1 1 1	15
	55-59.	Females.		∞
		Males.	1100-1111-1-1111-1-1111-	7
		Totals.	111-011-011-00001111-0-	28
	50-54.	Females.		18
	_	Males.	1111411401110141111441	12
		Totals.	1 4 1 0 0 1	88
	45-49.	Females.	11100-11-11-11-01-01-11-11	18
	4	Males.	[][-	2
				•
			sclerosis, is, chorea, herevous diseases, her exogenous toxins liseases, ilia, ic conditions, icy, icy,	
		χ.	disca enou	
		SYCHOSES	sclerosis, istorea, chorea, nervous diseases, liseases, ida, ide conditions, iersonality, icy,	
	,	SYC	sclerosi is, : :horea, nervous her exo liseases, lia, : ic cond ersonal ersonal	•
	f		Traumatic, Senile, the Market arteriosclerosis, General paralysis, General paralysis, General paralysis, General paralysis, With Cerebral syphilis, With Huntingdon's chorea, With Almaningdon's chorea, Mich pellagra, Alcoholic, Due to drugs and other exogenous With pellagra, Mith pellagra, Mith pellagra, Involution melancholia, Dementia præcox. Involution and paranoic conditions, Epileptic, Sychonouroses, With mental deficiency, Undiagnosed, With mental deficiency, Undiagnosed, With mental deficiency, Undiagnosed,	•
			Traumatic, Senile, With ecrebral arterios General paralysis, With cerebral syphili With thuningdon's of With thuningdon's of With thuningdon's of With thun brain tumor, With other brain or I Alcoholic, Alcoholic, Mith opellagra, With other somatic of Manic-depressive, Involution melancho Dementia præcox. Paramoia and paramo Epileptic. Psychonenroses, With psychopathic p With psychopathic With mental deficien Undiagnosed,	
			Traumatic, Senile, the With cerebral General paral general paral With cerebral With cerebral With cerebral With the Cerebral With the Train With Pain the With Gelber Persistent of the Practice of the Practi	
			mat cert cert cert cert cert cert cert cer	Total, .
			Traumatic, Senile, With cereby With cereby With cereby With cereby With brain With Brain With Brain With Brain With Brain With Cholic, Due to dru With other With other With other Dementia I Dementia I Dementia I Perannoia al Epileptic. With psych With psych With psych With psych With ment. With ment. With ment. With ment. With ment.	Tol
			22. VANA 11. 11. 11. 11. 11. 11. 11. 11. 11. 11	

Table 9.— Degree of Education of First Admissions classified with Reference to Psychoses.

.	Totals.	111111111111111111111111111111111111111	2
UNASCER- TAINED.	Females.	111111111111111111111	-
UNAT	Males.	111111111111111111111	-
ri ei	Totals.	11111111111111	2
College.	Females.	111111111111111111	-
్రి చ	Males.	111111111111	-
1	Totals.	111111111111111111111111111111111111111	32
Нісн Ѕсноог.	Females.		19
	Males.	111-111101114141011111	13
Z :	Totals.	011222112226611222667	175
Соммои Всноог.	Females.	18999114666671111156	63
0 ಡ್ಡ	Males. "	1866611184114418418888	82
GN :	Totals.	26 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	88
READS AND WRITES.	Females.	124 [21] 121 122228 1 2 12 12 12	43
RE,	Males.	189 1 1 1 1 1 1 1 1 1	45
re.	Totale.	140-111101101010111004	33
ILLITERATE.	Females.	11-111111-0101-11100	11
In	Males.	4 4	22
	Totals.	182 141 100 100 100 100 100 100 100 100 100	332
Toral.	Females.	1 1 1 2 2 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2	168
l l	Males.	1021 81 1 1 1 1 2 2 2 2 4 2 2 2 3 4 2 3 3 3 3 3 3 3 3 3	164
-			•
		ns,	
		solerosis, horea, horea, her exogenous toxins, iseases, lia, ic conditions, ersonality,	
		selerosis, horea, her exogenous to liseases, lia, ic conditions, ersonality,	
	E8	osis,	
	CHOSES.	Traumatic, Sanile, With ceebral arterioselerosis, With ceebral syphilis, With Huntingdon's chorea, With Huntingdon's chorea, With Huntingdon's chorea, With Prain tumor, With Drain tumor, With Orlar sand other exoger Use to drugs and other exoger With other somatic diseases, With other somatic diseases, Manic-depressive, Involution melanchia, Demental precox, Demental precox, Demental precox, With psychopathic personality With mental deficiency, With mental deficiency, With mental deficiency, With mental deficiency, With mental deficiency, With mental deficiency, With mental deficiency, With heartal deficiency, With mental deficiency, With mental deficiency, With mental deficiency,	
	Psyc	terio s, phillin's c or, tor t d ot d ot tic d icho icho icho icho icho icho icho icho	
		il arrillarillarillarillarillarillarilla	
		tic, barage ebra barage ebra barage b	
		Traumatic, Senile, Senile, With evebral arterio With everbral arterio With Harbingdon's With Hamingdon's With Hamingdon's With Hamingdon's With Prain tumor, With Plagras and ot With Pellagras, With other somatic of Manic-depressive With other somatic of Manic-depressive Depressive Depr	Total,
		Traumatic, Sanile, With cerebral arteriose General paralysis, With cerebral syrphilis With Huntingdon's ch With Parin tumor, With Parin tumor, With Parin tumor, With Parin or ne Alobolic, Due to drugs and oth With pellagra, With pellagra, With pellagra, Manic-depressive, Involution melancholi Dementia precox, Paranoia and paranoia Epilepric, Paranoia and paranoia With psychoneuroses, With psychoneuroses, With psychoneuroses, With psychoneuroses, With psychoneuroses, With psychoneuroses, With psychoneuroses, With psychopathic pen With mental cleficienc, Undiagnosed, Withhout psychosis,	To
		22.0. 2.0. 2.0. 2.0. 2.0. 2.0. 2.0. 2.0	

Table 10. — Environment of First Admissions classified with Reference to Principal Psychoses.

·	7	Готаі	٠.	ι	JRBAI	٧.	I	RURAI	Ĺ.
Psychoses.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	-	_	_	-	_	_	-	_	-
2. Senile,	20	13	33	13	5	18	7	8	15
3. With cerebral arteriosclerosis,	13	11	· 24	9	8	17	4	3	7
4. General paralysis,	8	6	14	7	3	10	1	3	4
5. With cerebral syphilis,	1	4	5	1	3	4	-	1	1
6. With Huntingdon's chorea,	-	-	-	-	-	-	-	-	-
7. With brain tumor,	-	1	1	-	-	-	-	1	1
8. With other brain or nervous diseases, .	3	4	7	2	3	5	1	1	2
9. Alcoholic,	19	4	23	11	4	15	8	-	8
10. Due to drugs and other exogenous toxins,	1	2	3	1	2	3	-	-	-
11. With pellagra,	-	2	2	-	1	1	-	1	1
12. With other somatic diseases,	7	11	18	4	8	12	3	3	6
13. Manic-depressive,	24	25	49	11	17	28	13	8	21
14. Involution melancholia,	- 1	6	6	-	2	2	-	4	4
15. Dementia præcox,	40	56	96	21	28	49	19	28	47
16. Paranoia and paranoic conditions,	-	-	-	-	-	-		-	-
17. Epileptic,	4	2	6	1	2	3	3	-	3
18. Psychoneuroses,	2	4	6	1	3	4	1	1	2
19. With psychopathic personality,	2	1	3	1	1	2	1	-	1
20. With mental deficiency,	9	1	10	4	1	5	5	-	5
21. Undiagnosed,	4	8	12	4	6	10	-	2	2
22. Without psychosis,	7	7	· 14	1	4	5	6	3	9
Total,	164	168	332	92	101	193	72	67	139

Table 11.— Economic Condition of First Admissions classified with Reference to Principal Psychoses.

Unascertained.	Totals.		ı
	Females.		1
	Males.		ı
COMFORTABLE.	Totals.	18241 1444 1841 1841 184	39
	Females.	18611161148881411116	2,2
	Males.	141411111111111111111111111111111111111	12
L.	Totals.	20 111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	271
MARGINAL.	Females.	1 01 02 4 24 1 1 1 1 1 2 4 24 4 4 4 4 4 4 4 4	125
M	Males.	22	146
T.	Totals.		22
DEPENDENT.	Females.	1	16
Di	Males.		9
,	Totals.	1 1 2 2 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4	332
TOTAL.	Females.	, III	168
	Males.	102 103 103 103 103 104 104 105 105 105 105 105 105 105 105 105 105	164
			•
		sclerosis, shorea, horea, tervous diseases, ner exogenous toxins iseases, iia, iia, conditions, ersonality, ey,	
Psychoses.		clerosis, horea, ervous disea er exogenous iseases, ia, c conditions, rrsonality,	
		iseases, iseases, iseases, iseases, iseases, iseases, iseases, iseases, iseases, isa, condition, resonality, y,	•
		riosc nillis, or ne orthe c dis holii noic	•
		arte ysis, y	
		c, c, c, aral, brain, c, b	
		nationationationationationationationatio	al,
		Traumatic, Senile, With cerebral arteriosel General paralysis, With cerebral syphilis, With Huntingdon's cho With Drain tumor, With other brain or ner Alcoholic, Due to drugs and other With other somatic dise With other somatic dise With other somatic dise With other somatic dise With other somatic dise With other somatic dise With other somatic dise With special pracox, Paranois and paranoic, Epileptic, With metal deficiency Undiagnosed, With metal deficiency Undiagnosed, Without psychosis,	Total,
		1.22.4.7.5.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9	

Table 12.— Use of Alcohol by First Admissions classified with Reference to Principal Psychoses.

1	Self (100001) (2)	Fems	Male:	Fems 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Telest
10040-116	184011181	10040110111001 10000111100110141	1884-1 18 1 18 18 18 18 18 1	1884 6 1 18 1 18 18 18 18 18	1884 6 1 18 1 18 18 18 18 18
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		44001150	25. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4 4 2 2 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	44000112000104411.

Table 13. — Marital Condition of First Admissions classified with Reference to Principal Psychoses.

		+	
UNASCER- TAINED.	Totals.	11111111111111	2
	Females.		ı
	Males.	::::::::::::::::::::::::::::::::::::::	7
DIVORCED.	Totals.	1111-1111-11111111	3
	Females.	: -	8,
	Males.		1
ED.	Totals.	[-]-[]]]-[]]	9
SEPARATED	Females.	111011111111111	က
SEP	Males.	101111111111111111111111111111111111111	es .
.p.	Totals.	10004111266114419111111111111111111111111111	64
Widowed	Females.	112411148114111911111	43
Wı	Males.	10011114111101111111144	21
ė	Totals.	000	140
Манпер	Females.	28 11 11 11 12 13 13 13 14 14 14 15 16 17 17 17 17 17 17 17 17 17 17 17 17 17	92
M,	Males.	127 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	49
	Totals.	100 100	117
SINGLE	Females.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	43
SO	Males.	160 160 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	74
	Totals.	23.3 4.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	332
TOTAL.	Females.	E	168
T	Males.	100 113 119 119 127 140 140 140 140 140 140 140 140 140 140	164
			•
HOSES.		ns,	
		1. Traumatic, 2. Senile. 3. With cerebral arteriosclerosis, 4. General paralysis, 5. With cerebral syphilis, 6. With huntingdon's chorea, 7. With Brain tumor, 7. With brain tumor, 8. Alcoholic, 9. Alcoholic, 9. Alcoholic, 1. With pollagra. 2. With ofter somatic diseases, 3. Mani-depressive, 4. Involution melancholia, 5. Dementia pracox, 6. Paranois and paranoic conditions, 7. Epileptic, 8. Exchoneuroses, 9. With psychopathic personality, 10. With mental deficiency, 11. Undiagnosed, 12. Without psychosis,	
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		Traumatic. Senile. Senile. Senile. Guicheal parale Guicheal parale With cerebral With Charle With Prain tu With brain tu With brain tu With brain tu With prain tu Boue to drugs With other so With other so With other so Faraneal Faraneal Faraneal Faraneal Faraneal Faraneal With prolace With pellagra With prolace With prolace Faraneal Faraneal Faraneal With psychoto	Total,
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Table 14. — Psychoses of Readmissions.

	PSYCHOSES.	Males.	Females.	Totals.	Males.	Females.	Totals.	
1.	Traumatic,					_ [_	_
2.	Senile, total,	.				1 1	3	4
	(a) Simple deterioration,	.	1	1	2			
	Senile, total, (a) Simple deterioration, (d) Depressed and agitated states with deteriora-	-	1					
	tion,	.	-	1	1			
	(1) Presentle.	.	-	1	1			
3.		.]				-	-	-
4.	General paralysis,	.				2	. 1	3
5.	Cerebral syphilis,	.				1	-	1
		.				-	- 1	-
7.		.				- 1	- 1	-
8.	With other brain or nervous diseases, total, .	.				-	1	1
	(1) Cerebral embolus due to eclampsia,		- 1	1	1	5	1	
9.	Alcoholic, total, (d) Acute hallucinosis, (e) Chronic hallucinosis, (a) Chronic paragoid	•			. 2	9	1	6
	(a) Acute nanucinosis,	٠	1		1			
	(e) Chronic nativelnosis,	٠	2	_	2			
	(g) Chronic paranoid,	٠	4	1	1			
10	Due to drugs and other exogenous toxins,	٠	_		- 1			
10.	With pellagra,	٠			!			_
11.	With other somatic diseases, total,	•					_	
	Manic-depressive, total,		(12	15	27
10.	(a) Manie type		8	4	12	12	10	21
	(a) Manic type,	٠ ا	3	7	10			
	(d) Mixed type,			i	ĭ			
	(d) Mixed type,		1	3	4			
14.	Involution melancholia.	•	I. T. I			1	_	1
15.	Dementia præcox, total,	:				21	21	42
	(a) Paranoid type,		7	10	17			
	(b) Catatonic type	. !	3	9	12			
	(c) Hebephrenic type,		8	1	9			
	(b) Catatonic type, (c) Hebephrenic type, (d) Simple type, Paranoia and paranoid conditions,		3	1	4			
16.	Paranoia and paranoid conditions,					-	-	-
						-	1	1
	(a) Epileptic deterioration,		-	1	1			1
18.	(a) Epileptic deterioration, Psychoneuroses and neuroses, total,					-	1	1
	(c) Neurasthenic type,		-	1	1			
19.	With psychopathic personality,					1	-	1
20.	With mental deficiency,					2	1	3
41.	Undiagnosed,					1	-	1
22.	without psychosis, total,				٠,٠	1	1	2
		•	1	1	1 1			
	(f) Defective delinquent,	•		1	1			
	Total,					48	46	94

Table 15. — Discharges of Patients classified with Reference to Principal Psychoses and Condition on Discharge.

1 1			ı
Z E	Totals.	111111111111111111111111111111111111111	4
Not Insane.	Females.		-
ŭ	Males.		က
ED.	Totals.	10411114111001171111111	40
UNIMPROVED	Females.	161111111111111111111111111111111111111	25
Uni	.səles.		15
	Totals.	&40011110111111111111111111111111111111	71
IMPROVED	Females.	1	27
IM	Males.	81-8111811-813	44
G	Totals.	388411111111111111111111111111111111111	72
RECOVERED	Females.	111111111111111111111111111111111111111	46
RE	Males.	111111110110001111111111	56
ĺ	Totals.	0000001111601020447010001114	187
TOTAL.	Females.	1861111191828210	66
	Males.	8 48 1 1 1 1 1 2 1 1	88
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			•
		xins,	•
		solerosis, s, horea, nervous diseases, rer exogenous toxins iseases, lia, lia, lic conditions, ersonality,	•
	Sg	is, s disea egenous,	•
	HOSE	clerosis , horea, ervous er exog iseases, ia, c condi	
Psychoses.			
	Ή	is, yphi on's yphi on's yphi on's on's no on on on on on on on on on on on on	
		al a sala	
		atic, are branch in the part of the part o	
		Traumatic, Senile, With cerebral arterioss General paralysis, With cerebral syphilis With General paralysis, With Huntingdon's ch With Drain tumor, With the brain or n Alcoholic, Due to drugs and oth With pellagra. With pellagra. With pellagra. With pellagra. With pellagra. With pellagra. With pellagra. With pellagra. With pellagra. With pellagra. With pelloressive, Enjeptic. Paranoia and paranoia Brightic. Paychoneuroses. With psychopathic pe Wyth mental deficienc. Undiagnosed.	Total,
		P. P. P. P. P. P. P. P. P. P. P. P. P. P	7
			,

Table 16.—Causes of Death of Patients classified with Reference to Principal Psychoses.

I		z	Totals.		1 1 1
١		WITH BRAIN TUMOR.	Females.	11111111 1111 11411	1 1 1
١		WITH	Males.		1 1 1
		RAL	Totals.	[[[[[[[[[[[[[[[[[[[[11
		WITH CEREBRAL SYPHILIS.	Females.	1	1 1
		WITH	Males.		1 1 1
	υģ		Totals.	11111111111111111111111	1 1 1
١	Рѕтсноѕев.	GENERAL PARALYSIS.	Females.	1111111111111111111	1 1 1
	Ps	G1 PA	Males.	11111111111111111101	1 1 1
		RIO-	Totals.	111111111111111111111111111111111111111	1 1 1
		WITH CERE- BRAL ARTERIO- SCLEROSIS.	Females.	111111111111111111111111111111111111111	1 1 1
			Males.	11114111 1111 01111	1 1 1
		SENILE.	Totals.	111111111111111111111111111111111111111	1 1 1
			Females.	111111111111111111111111111111111111111	1 1 1
١			Males.	111100 1111 1111 00111	111
١			Totals.		227
l		Total.	Females.	. चनाचााा। । छैचल ळूलचक्च	-8-
l			Males.	11-0-0	-11
	CAUSE OF DEATH.			Discases. is, is disease), region, ural causes (coroner's cer- s System.	stem.
				Acute miliary tuberculosis. Adiposis dolorosa (Dercum's disease), Carcinoma of colon, Carcinoma of stomach, Epithelioma of fromach, Epithelioma of fromach, Epithelioma of right cervical region, Sarcoma of right cervical region, Sarcoma of right cervical region, Sudden death due to natural causes (coroner's cer- fificate), Tuberculas meningitis, Tubercula meningitis, Tubercula meningitis, Tubercula meningitis, Cerebral hemorrhage, Cerebral tumor, General paralysis of the insane, General paralysis of the insane, Progressive muscular atrophy,	Cerebral embolus, Cerebral thrombosis, Endocarditis, acute,

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1110	-11	67 1	73	1	1		38
11-	₩ 1 1	1 1	2	1	ı	111	21
114	111	63 1	1	1	i	111	17
	1 1 1	1	_	ı	63	1 1 1	31
114	111	- 1	-	ı	1	1 1 1	13
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1 9	es 1 		4	-	1	114	89
122	ान्।	67]	1	1	63		65
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				· ·	Diseases of Skin and Cellular Tissue. ne of foot,		
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	stem	tem.	yste	nd J	Jellu	ses.	
	y Sy	Sys	uy S	nes a	nd (nal Causes. isoning, 1 amily care	
	Respiratory System. nonia (influenza), . iia,	stive is, itis,	Genitourinary System. itis,	f Bon int,	cin a	External Causes ical poisoning, 1 ning (family care ne.	
onic e, . nic,	espi nia (Dige terit iton	Genitou ritis, .	es of ip jo	of Sk	Exte	,
ndocarditis, chronic, yocarditis, acute, . iyocarditis, chronic,	Residuation Residuation Standard Proposition Propositi	d en	Gerritis	Diseases of Bones and Joints.	ses (seni own	
litis, tis,	pner eum of l	a an	nepk	Dosis	of 1	y ar	
sardi ardi	Sroncho-pneu Jobar pneum Sangrene of I	rhœ	nic 1	reul	Diseases or grene of foot,	nicide by a nicide by c	[ota]
Endc Myoc Myoc	Respiratory Syste Broncho-pneumonia (influenza), Lobar pneumonia,	$ \begin{array}{c} Digestive \ System. \\ Diarrhoæ \ and \ enteritis, \end{array}.$ Streptococcus peritonitis, .	$^{ m Chro}$	Tube	Gang	Suici Suici	

¹ Taken before admission.

Table 16.—Causes of Death of Patients classified with Reference to Principal Psychoses—Continued.

	V.E.	.elstoT	11111111 1111 =1111	11-
	MANIC- DEPRESSIVE,	Females.	111111111111111111111111111111111111111	1 1 🕶
	DB	Males.		1 3 1
	E E E	Totals.	1e)ellle leet 11111	1 1 1
	WITH OTHER SOMATIC DISEASES.	Females.	[] [] [] [] [] [] [] [] [] []	111
	WIT	Males.	1131131= 1111 11111	1 1 1
	GRA.	Totals.	1111111111 1111	111
	WITH PELLAGRA	Females.	11111311 1111 11111	1 1 1
OSES.	WITH	Males.		1.1.1
Psychoses.	ues us	Totals.	1111111 1111 1111	111
	DUE TO DRUGS AND OTHER EXOGENOUS TOXINS.	Females.	1111111 1111 1111	1 1 1
	DUE AN EX	Males.		111
	АГСОНОГІС,	Totals.	Heelell IIII elli	1 1 1
		Females.	11111111111111	111
		Males.	leelelt IIII eili	111
	ER ous s.	Totals.	11111111111111	1 1 1
	WITH OTHER BRAIN OR NERVOUS DISEASES.	Females.	1:1:1:1:1:1:1:1:1:1:1=	1 1. 1
	WII OR IQ	Males.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1 1 1
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			general Diseases. orculosis, n, n, nnach, e, e, in, in, e, to natural caus ngs; et natural caus ngs; et natural ngs; et natural ngs; et natural ngris, et natural ngris, et natural ngris, et natural	Circulatory System. 18, 50sis, 11te,
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		1	millis sis de toma toma sis de toma toma sis de toma sis de tra, na de toma sis de toma si	ral en ral th ardit
			General Diseases. Adiposa dolorsa (Dereum's disease). Garcinoma of colon. Carcinoma of stomach, Epithelioma of face, General septicemia, Barcoma of right tervical region, Sarden death due to natural causes flaste). Tuberculas nemingtis, Tuberculas meningtis, Typhoid fever, Nerous System. Cerebral hemorrhage, Cerebral tumor, General paralysis of the insane, General paralysis of the insane,	Circa Cerebral embolus, . Cerebral thrombosis, Endocarditis, acute,
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s, ch	eumc noni lung	nd eı ıs pe	hriti	Disea s of 1	ses c foot	srsen Irow 1angi	•
rditi ditis, ditis,	o-pn o-pn ne of	zea au coccu	a nep	$\frac{I}{\mathrm{ulosis}}$	Diseases of Skin an ene of foot,	by a	Total,
Endocarditis, chronic, Myocarditis, acute, . Myocarditis, chronic,	Respiratori Broncho-pneumonia (influ Lobar pneumonia, . Gangrene of lung, .	Digestive Diarrhœa and enteritis, . Streptococcus peritonitis,	Genitourina Chronic nephritis,	$\frac{Diseases\ of\ Bon}{Tuberculosis\ of\ hip\ joint,}$	Diseases of Skin Gangrene of foot,	External Suicide by arsenical poison Suicide by drowning (fami Suicide by hanging,	Tot
KK	ŠŽŽ	Str	$^{\mathrm{CP}}$	Tu	Ğ	SSG	

Table 16. — Causes of Death of Patients classified with Reference to Principal Psychoses — Concluded.

	E m	.slatoT	1111111111111 1111 1
	WITHOUT PSYCHUSIS.	Females.	tininiinii iita tet
	P.	Males.	6111111111111 11111 1111
	но-	Totals.	
	WITH PSYCHO- PATHIC PERSONALITY.	Females.	111111111111 1111
	WIT	Males.	111111111111 1111 111
·š.	ý	Totals.	
Psychoses.	PSYCHO- NEUROSES.	Females.	111111111111 1111 111
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	CAUSE OF DEATH.		Acute miliary tuberculosis, Adiposis dolorosa (Dereum's disease), Carcinoma of stomach, Carcinoma of stomach, Carcinoma of face, General septicemia, Bullara, Bullara, Bullara, Bullara, Bullara, Bulden death due to natural causes (coroner's certificate), Tubercular meningitis, Tubercular meningitis, Tubercular meningitis, Cerebral hemorrhage, Cerebral hemorrhage, Cerebral syphilis, General paralysis of the insane, Progressive muscular atrophy, Cerebral embolus, Cerebral thrombosis, Endccarditis, acute,

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Respir Broncho-pneumonia (inf Lobar pneumonia, . Gangrene of lung, .	Diarrhea and enteritis, Streptococcus peritonitis	Gen: Chronic nephritis, .	Diseases of Tuberculosis of hip joint	Diseases of Skir Gangrene of foot,	Exter Suicide by arsenical poiss Suicide by drowning (far Suicide by hanging,	Total, .
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Table 17. — Age of Patients at Time of Death classified with Reference to Principal Psychoses.

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			Traumatic, Senile, With cerebral arteriosclerosis, With cerebral arteriosclerosis, General paralysis, With herebral sypthilis, With Hustingdon's chorea, With Intaingdon's chorea, With Drain tumo, With Other brain or nervous diseases, Jue to drugs and other exogenous toxins, With other somatic diseases, With other somatic diseases, Manic-depressive, Dementia pracox, Dementia pracox, Dementia pracox, Epilephic, Espilophic, Espilophic, With mental deficiency, With mental deficiency, With psychopathic personality, With mental deficiency, With here of the payer o
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Table 17. — Age of Patients at Time of Death classified with Reference to Principal Psychoses — Concluded.

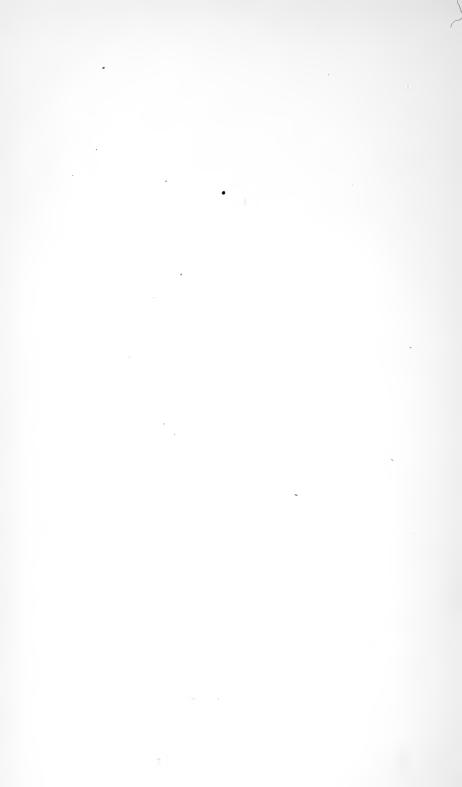
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Table 18. — Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses.

Years.	3-4. 5-10. 10-15. 15-20. 20 AND OVER.	Females. Totals. Males. Totals. Totals. Totals. Temales. Totals. Totals. Males. Totals. Males.	1
	1-2.	Males. Totals. Totals.	20
	8-12.	Males. Females. Totals.	
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·	Тотаг.	Females. Totals.	232 33 33 34 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	$_{ m Tc}$	Males.	138111111111111111111111111111111111111
		l'sychoses.	1. Traumatic. 2. Senile. 3. With cerebral arteriosclerosis, 4. General paralysis, 5. With cerebral spinlis, 6. With Burbingdon's chorea, 7. With brain tumor, 8. With other brain or nervous diseases, 9. Alcoholic. 10. Due to drugs and other exogenous toxins, 11. With pellegra, 12. With other somatic diseases, 13. Manic-depressive, 14. Irvolution melancholia, 15. Denentia priscor, 16. Peranoia and paranoic conditions, 17. Epileptic, 18. Psychomeuroses, 19. With mental deficiency, 20. With mental deficiency, 21. Undiagnosed, 22. Without psychosis, 3. Total,

Table 19. — Family-care Department.

		Males.	Females.	Totals.
Remaining Oct. 1, 1919,		3	17	20
Committed within the year,		2	4	6
Whole number of cases within the year,		5	21	. 26
Dismissed within the year,		4	11	15
Returned to institution,	• .	1	10	11
Discharged,		1	1	2
Died,		1	-	1
Escaped,		1		1
Remaining Sept. 30, 1920,		1	9	10
Supported by State,		-	7	7
Private,		1	2	3
Self-supporting,			-	_
Number of different persons within the year,		4	19	23
Number of different persons admitted,	.	1	3	4
Number of different persons dismissed,	٠. ا	3	10	13
Daily average number,	.	2.038	13.521	15.559
State,		.118	11.476	11.594
Private,		1.00	2.00	3.00
Self-supporting,		. 920	.045	. 965



The Commonwealth of Wassachusetts

ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1921

DEPARTMENT OF MENTAL DISEASES



BOSTON
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APPROVED BY THE
SUPERVISOR OF ADMINISTRATION.

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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES. . Northampton. . Hatfield. . Greenfield. .. . Holyoke. . Northampton. . Springfield. LUKE CORCORAN, M.D., Chairman . . . Chicopee Falls. Mr. Charles W. King . . . RESIDENT OFFICERS. . Superintendent. JOHN A. HOUSTON, M.D. EDWARD W. WHITNEY, M.D. . . Assistant Superintendent. ANGELA BOBER, M.D. . . . Senior Assistant Physician. . Assistant Physician. . Assistant Physician. HARRIET W. WHITNEY, M.D. . Physician to Out-patient and Social Service Departments. . Dentist. LUCIEN H. HARRIS, D.D.S. . . NONRESIDENT OFFICERS. Miss Eva L. Graves . Chief Clerk and Treasurer (office at the hospital). HEADS OF DEPARTMENTS. Mr. L. W. SINCLAIR . Engineer. Mr. George B. Allen . . Farmer. Mr. Frank W. Smith . . Steward. Miss S. E. Warren . $. \quad Matron.$ ___ Social Service Worker. Miss Pauline A. Kinum . Director of Occupational Therapy. CONSULTING BOARD OF PHYSICIANS AND SURGEONS.

E. A. BATES, M.D.					Springfield.
E. W. Brown, M.D.					Northampton.
W. J. Collins, M.D.					Northampton.
C. R. GARDNER, M.D.					Northampton.
D. E. HARRIMAN, M.D.					Springfield.
R. H. SEELYE, M.D.		•			Springfield.
H. T. SHORES, M.D.					Northampton.



The Commonwealth of Wassachusetts

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital respectfully present their report for the year ending Nov. 30, 1921.

Regular monthly meetings of the Board were held at the hospital for the approval of bills, the inspection of the hospital, and the consideration of matters concerning the welfare of the patients.

There has been a steady increase in the number of patients we have been asked to support, the number for the present year having been 1,010, and for the coming year, 1,025, while the accommodations of the institution are reckoned by the Department of Mental Diseases to be about 820. For the present year the daily average number maintained was 1,007. This number was a little smaller than the quota we were expected to care for, and it was possible to do this only because of a transfer of 106 patients to other institutions. Serious overcrowding makes it difficult to give our patients the care we should like to give. Too many of them are obliged to share a room with others. This is disquieting to the relatives and does not contribute to the comfort of the patients themselves. We realize that every State hospital has the same problem to deal with, and we accept the situation with what grace we may, hoping that in time adequate provision will be made for the care of all the patients of our district somewhere in this district, and not so far from their homes as are the institutions to which so many have been transferred in recent years.

The cost of maintenance for the present year has been about \$31,000 less than for the previous year. This was possible partly because of a decline in the prices of supplies, but largely

because of an extreme shortage of help. At times there were on our pay roll only about half the number of employees allotted to us.

The receipts of the hospital for the year amounted to \$83,709.86 from the following sources: from board of patients, \$80,456.86; from sales, \$2,050.34; and from miscellaneous sources, \$1,202.66. These receipts, which revert to the State treasury, reduce the per capita cost of maintenance of our patients by nearly \$1.60 per week.

No special appropriations were made by the Legislature for our hospital this year.

The reports of the superintendent and of the treasurer, which accompany our report, will give more in detail the facts concerning the affairs of the hospital and the financial condition.

In our monthly visits we have been favorably impressed with the general appearance of comfort of the patients.

There have been two changes on our staff to record. Dr. Lucien H. Harris, resident dentist, entered the service June 1. Dr. Arthur N. Ball, after an honorable and satisfactory service of nine years, resigned to accept a promotion at the Gardner State Colony.

EDWARD C. GERE.
HARRY L. HOWARD.
JOSEPH W. STEVENS.
EMILY N. NEWTON.
CAROLINE A. YALE.
LUKE CORCORAN, M.D.
CHARLES W. KING.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

The superintendent's report of the affairs of the hospital for the year ending Nov. 30, 1921, is hereby respectfully submitted.

At the beginning of our statistical year, Oct. 1, 1920, there were 975 patients in the hospital and 10 in family care. There were, besides these, 214 away from the hospital on trial visit, and 20 on escape, some of the latter having been carried on our books for a period of years. The number of patients admitted during the year was 400, making the total number of 1,619 under care and observation. The number dismissed was 438, leaving on our books, 1,181, distributed as follows: in the hospital, 987; in family care, 10; on visit, 164; on escape, 20.

The daily average number cared for in the hospital was 1,003, and the largest number in the hospital on any one day was 1,044.

One hundred and seventy patients were admitted for observation or temporary care, all but 29 of whom later were regularly committed.

Seventeen of the admissions were voluntary, coming of their own volition and remaining only as long as they cared to stay.

The average age of the patients admitted was forty-three years. Many old people were among the number admitted, 88 of them being over sixty years old, 20 of these ranging between the ages of eighty and ninety-seven years.

Patients who never before had been cared for in a hospital for the insane numbered 308. These constitute the first admissions that are considered in the statistical tables appended to this report.

Of these first admissions, 86 had some form of organic brain disease, abscess of the brain, tumor of the brain, cerebral and cerebrospinal syphilis, cerebral arteriosclerosis, Huntington's

chorea and general paralysis. In all of these types the prognosis is unfavorable.

There were 16 cases in which the use of alcohol was the chief cause of the mental trouble, a very noticeable diminution in numbers admitted from this cause as compared with a few years ago; 12 of these were of a chronic form from which few recoveries may be expected.

There were 80 cases of dementia præcox; the prognosis is not favorable in the vast majority of these cases.

The duration of insanity before admission ranged from a short period in a few cases to months and years in the larger number of cases admitted.

Thus a brief analysis shows that in comparatively few cases admitted could we hope for complete recovery, an unfavorable prognosis being predicated by certain not hopeful types, by long duration of the mental disorder before coming under treatment, and by the retrograde processes that accompany advanced age.

Of the first admissions, 97 were foreign born, a slightly smaller percentage than in previous years, probably due to the smaller number of immigrants coming to this country than in years before the war. They were of the following races: Austrian, 6; Belgian, 1; Canadian, 18; Czecho-Slovak, 1; English, 6; Finnish, 1; French, 1; German, 5; Greek, 3; Dutch, 1; Hungarian, 1; Irish, 20; Italian, 7; Polish, 9; Russian, 9; Scotch, 3; Swedish, 2; Turkish, 2; Welsh, 1.

The number of patients discharged from our books was 438; of these, 71 were discharged as recovered, 105 as improved, 34 as unimproved, and 8 as not insane, and 106 were transferred to other hospitals, as follows: Grafton State Hospital, 57; Gardner State Colony, 43; Worcester State Hospital, 1; Bridgewater State Hospital, 1; Monson State Hospital, 3; Tewksbury State Infirmary, 1.

One hundred and fourteen patients died, the principal causes of death being as follows: cerebral hemorrhage in 30 cases; general paresis in 11 cases; pulmonary tuberculosis in 11 cases; chronic endocarditis in 9 cases; cerebral embolism in 5 cases; chronic interstitial nephritis in 3 cases; cerebral thrombosis in 3 cases; pellagra in 2 cases.

The routine medical work of the hospital was carried on as usual despite the shortage of help on our medical staff and on the nursing staff as well. During a part of the year there was only one assistant physician on the male side of the hospital, and throughout the whole year only one to care for the female patients.

Care and study of the patients become more intensive each year, and there is a steady and seemingly continuous increase in what we may call the extra institutional work, — social service, the outlying clinics, consultations and the like.

During the present year the scope of our medical activities, already extensive, has been broadened by the addition of two new lines of work, — first, the examination by some member of our staff of persons indicted for capital offences and of persons who have been arrested for repeated offences or who previously have served a sentence, and second, the examination of the retarded school children of our district. This latter work, with the clinics, demands practically the full time of one of our assistants, Dr. Whitney, and of two young women to make the psychological and school tests. For this latter work we have two graduates of Mount Holyoke College, — Miss Miriam Carpenter and Miss Helen Hickman. A great deal of preparation was necessary before beginning the actual examination of these children late in our hospital year; already many children have been examined, but the results cannot yet be tabulated.

During the summer lectures and demonstrations to students of the Smith College Training School for Social Work were continued as in the three previous years. Special talks and demonstrations were given to classes in sociology from three neighboring colleges and to graduating classes of nurses in the training schools of Dickinson Hospital and the Holyoke Hospital.

The following is a brief report of our out-patient work. Clinics were held regularly each month at Pittsfield and North Adams. During the early months of the year our shortage of medical help required that persons who had been served by the Greenfield and Springfield clinics should come to the hospital or be seen by appointment, but these clinics were resumed in May and have been conducted regularly since then.

A total of 702 cases were seen at the various clinics. Of these, 389 came for consultation concerning themselves or in regard to relatives or friends. Many of these had been at some time patients of the hospital, and they came with confidence, seeking help; 178 never had been inmates of a hospital. Some of these came at the request of relatives or on the advice of physicians or of community workers. Others were referred by judges, by police officers, by church visitors, and by different charitable organizations.

The desire is to make these clinics a sort of small society of mental hygiene, as it were. Advice and encouragement will often enable the patient to remain at home rather than to resort to institutional care. In other cases, which seem to be in need of skilled and experienced care, the apprehension of the hospital so common to many has to be dispelled in order that early treatment at the hospital may be acceptable to patient or relatives, thus promoting prospects of earlier improvement or recovery. Not the least beneficial in results are the efforts to reinstate in the community patients at the hospital who have not fully recovered. Here the relatives and the public have to be educated to the realization that many patients, though not entirely well, may live away from the hospital, under proper supervision, perhaps engaged in some lucrative employment, thus bringing a measure of contentment to the patient and opportunity to become partially if not wholly self-supporting.

There have been 202 patients away from the hospital on trial visit during the year. They may remain away a year if they do well, with the privilege of returning, or, if necessary, of being brought back to the hospital at any time within the period of probation. They are required to report occasionally to the hospital or at the clinics, as seems advisable. The moral support of being under our supervision is enough in many cases to enable them to remain at home, and finally to be discharged at the end of the visit. There are several patients, 17 this year, who renew their visits annually, seeming to need the help and encouragement afforded by our oversight. Five patients, aliens, under consideration for deportation, but for whom deportation has not been procurable because of conditions in their native countries, have been allowed at liberty by permission of the Department of Mental Diseases under obligations to report to us. They are self-supporting. Their peculiarities are recognized, but they do not need to remain at the

hospital, inasmuch as they are under our supervision and may be returned to the hospital at any time if necessary.

The number of patients in family care has been smaller than in previous years because of the difficulty of finding suitable boarding places at the rate of board heretofore allowed. An increase in the rate has now been allowed, and it is hoped to place a larger number in families the coming year.

Study of the relationship of the internal glandular secretions to mental disorders, if any, has been continued. Several patients have shown such marked changes and improvement under treatment by glandular extracts as to encourage the belief that some cases may be due to an imbalance in the functioning of the endocrines, correction of which may be followed by improvement or recovery.

We were without the services of a resident dentist during the first six months of the year, all necessary dental work during this period being done by dentists in town. On June 1 Dr. Lucien H. Harris was appointed to the position and began his service at the hospital. His report of work done is as follows: alloy fillings, 357; cement fillings, 175; enamel fillings, 115; cleanings, 275; extractions, 275; treatments, 305; plates repaired, 7.

Routine classwork in our training school for nurses has continued, with fewer nurses in training and fewer applications for admission to the school, but this condition we learn has prevailed throughout the country.

Five nurses—Josephine A. Perkowski, Ethel M. Page, Lenna I. Parks, Mayme R. Rockhill and Mary A. Spitzer,—who had completed their courses here and at Tewksbury State Infirmary, with whose school we are in affiliation, successfully passed their examinations, and with three of the class of 1920—Mary A. Jacobs Braman, Elizabeth Rowe and Lillian Odell—were graduated in October with the following appropriate and very pleasing exercises: overture; invocation by Rev. James W. Broderick; address of welcome by Lenna I. Parks, address by Dr. John H. Nichols, Superintendent of the Tewksbury State Infirmary; class prophecy by Mayme R. Rockhill; presentation of diplomas by the superintendent, followed by a reception and dancing.

It is gratifying to report that ten of our graduates are now on our nursing staff, a third of all the number at present in our female nursing service.

The affiliating course at Tewksbury State Infirmary has been increased to a year. There our pupil nurses receive full courses in surgery, diseases of children, obstetrics and gynecology, supplementing the other courses given here and enabling them to meet the necessary qualifications for the degrees of R.N.

We had less than half our quota of nurses throughout the year. Because of this scarcity keys were given to capable and trustworthy patients to help in the care of other patients and in the ward work. Seven patients have been employed thus to our great satisfaction. They are faithful, they are especially sympathetic, as might be expected, and they enjoy their work with its responsibilities. They have earned the respect of nurses and of fellow patients, and are worthy of heartfelt commendation. Two others were discharged as patients and are now on our pay roll as employees.

Employment and amusement, among the most valuable of our therapeutic agencies, have been used in full measure. All patients who are physically and mentally capable are required to do some sort of work suited to their capabilities, and, in so far as is advisable, in accordance with their inclinations. A degree of contentment, distraction from mental troubles, the satisfaction of accomplishment as with normal persons, and the physical improvement that ensues are beneficial results of daily occupation. Employment is found in every department of the institution with the association and under the direction of employees, - on the wards, in dining rooms and kitchens, bakery, sewing rooms and laundry, at the carpenter shop, machine shop and paint shop, in the gardens, on the farm, at the greenhouses and barns. Some patients can be found who helpfully assist in all repair work of every description from the simplest to the most complex.

Special cases come under the supervision and instruction of our teachers in occupational therapy and industrial therapy. Here are provided the following activities promoting the convalescence of some, contributing to the contentment of others: sewing, knitting, crocheting, weaving, rugmaking, basketry,

pottery, painting, toy making, cane seating, broom making, shoe repairing, upholstery and mattress making, cutting and making of dresses, shirts, jumpers and overalls, making of tinware, and the like. Following is a report of the work done in the women's industrial department: 220 pieces of crocheting and knitting, - yokes, doilies, luncheon sets, bedspread, face cloths, sweaters, scarfs; 6 pairs of booties, slippers and socks; $77\frac{1}{2}$ yards of edging; 300 yards of tatting for edging; 1.415 pieces of sewing and embroidery, - pieced silk bedspread, appliquéd table runners, colonial table mats; 43 pairs of pillow cases made and trimmed; 1,362 pieces hemmed, hemstitched or embroidered; 365 pieces of reed and raffia basketry, - vases, trays, napkin rings, baskets; 15 bead chains and fobs; 50 pieces of weaving, — table runners, rugs; 13 yards of toweling; 88 pieces of pottery; 150 pieces of oil and water-color paintings, - cards, calendars, stamp boxes, door stops, monkeys and parrots; there were also May baskets and Easter baskets made, a May pole, 500 paper flowers, - roses, daffodils, morning glories, carnations, wistarias, chrysanthemums, poinsettias, tulips, daisies, sweet peas, violets, shamrocks; for entertainments there were made wands, head dresses, garlands and other decorations; for the masquerade 18 new costumes were made: quantities of burlap bags were raveled and put into skeins for weaving; cotton bed pads were picked apart that cotton might be used for pillows and mattresses.

In the men's department 928 pair of shoes were soled, heeled and patched; 390 mattresses were made of old material, 96 of old hair and new ticks, 66 of new material, 23 strong mattresses; 196 pillows were made of old material, 106 of old hair and new ticks; 552 brooms were made; 441 rugs were made, — burlap, rag, hemp, hooked; 160 chairs were caned; 109 pieces of basketry, — waste baskets, laundry baskets, hand baskets; 21 barn brushes; 43 denim aprons and coats; 95 pairs of denim trousers; 4 coats and vests of wool; 77 pairs of trousers of wool; 17 cement flower pots.

Entertainments, the value of which form of treatment is not calculable, were provided freely throughout the year. Out-of-door sports in their season and indoor amusements throughout the year, moving pictures every week, and weekly dances

throughout the winter months, have comprised the routine forms of amusement. Concerts were given frequently by persons not connected with the hospital, and our own people provided entertainment freely. The choir on Sundays at the two regular services is made up of patients with one or two supervising employees. At the moving pictures and at impromptu gatherings our own orchestra has furnished the music.

The holidays were appropriately observed. On Washington's Birthday there was the annual masquerade ball much enjoyed by both patients and employees. Fourth of July was celebrated with out-of-door sports. On Thanksgiving Day and at Christmas special dinners were enjoyed, and on the latter holiday the halls were decorated with evergreens and small Christmas trees. On Christmas Eve candy and presents were distributed to patients from a larger tree in chapel, both tree and hall being beautifully decorated with evergreens, colored lights and appropriate mottoes. A part of the evening's entertainment was a concert given by friends in town and assisted by the daughters of one of our employees, of which the program was as follows: instrumental and vocal solos by members of the Clef Club from the city, Mrs. Bement, Mrs. Day, Mrs. Berwick, Miss Pringle and Miss Gere; Christmas carols, with Miss Lord as accompanist on the organ; selections by the hospital choir; recitations by the Misses Pope.

Assemblies for religious services were held twice on each Lord's day as in previous years.

The year on the farm, as shown by the following report of farm products, was about an average one, a little below our needs and expectations in quantities raised, but more favorable than last year; 487 tons of ensilage corn; 329 tons of hay; 8 tons of pease and oats; 97 tons of rowen; 2,432 bushels of potatoes; 270 bushels of string beans; 87 boxes of asparagus; 337 bushels of beets; 42 tons of cabbage; 173 boxes of celery; 400 bushels of sweet corn; 299½ boxes of lettuce; 7,044 pounds of rhubarb; 479 bushels of tomatoes; 524 bushels of turnips; 872 hundredweight of winter squash; 365 hundredweight of watermelons; 360 bushels of onions; 2,111 quarts of strawberries.

Of the many activities in the way of repairs, renewals and new installations the more important ones are recorded here for future reference.

A water pipe was laid from the main pipe outside the engine room to the ice machine room to supply a sprinkler system in the shops; fire line risers with hose connections on each floor were erected in the first stairway north, and in the stairway to the South Infirmary. The following new apparatus was purchased: 10 lengths of $2\frac{1}{2}$ -inch rubber-lined fire hose, 11 lengths of $1\frac{1}{2}$ -inch linen hose, 10 $1\frac{1}{2}$ -inch hose pipes, 10 hose racks, 29 3-gallon fire extinguishers. New underground steam lines were laid in cement boxes from the South Infirmary to No. 1 greenhouse, from the south nurses' home to No. 2 greenhouse, and from the boiler room to the main barns, a distance in all of about 500 feet. A tunnel of cement for pipes and wires was built from the engine room to the end of the third halls south. This was about 220 feet in length by 5 feet high and 4 feet wide. A cylinder and piston were replaced in No. 1 engine, a feed-water regulator was installed on No. 3 boiler, and push nipples on the radiators in the basement of the administration building were renewed. A section of the passenger elevator plunger was renewed. The main barns were rewired for lighting, and the wire for the street lights was relaid underground in pitch from the paint shop to the courtyard corner, a distance of about 300 feet. A new toilet room in the basement, next to the new smoking room, was equipped with fixtures. Two continuous-flow bathtubs for treatment were set up in the South Infirmary. The following new apparatus and material were purchased and installed: two drill presses in the machine shop, a feed pump for the boilers, a rotary tube cleaner for the boilers, an automatic temperature controller for each greenhouse, a garment press for the laundry, and a kettle for melting pitch and tar to be used in the construction of roads, sidewalks and foundation walls. The industrial room under the men's dormitory was enlarged by the addition of the old smoking room by cutting a doorway through the wall that separated The house recently purchased on Grove Street was reshingled and repainted, and a hot-water tank was installed at the house occupied by the chief engineer.

Friends of patients and of the hospital continue to remember us generously with gifts of various kinds, and with contributions of money for the benefit at Christmas of such patients as have no friends to send gifts. Books and magazines and subscriptions to periodicals are sent and are very welcome.

To the following persons I give sincere and heartfelt thanks: Miss Grace E. Warren sent typewriter boxes; Miss Cutler sent a box of miscellaneous articles to be used in our industrial department; L. H. Smith sent a book of views; Mr. Charles Chapman gave a suit of clothes; Mr. N. Lyman Elmer gave money at Fourth of July to be used for that holiday; Mrs. Crossin donated magazines throughout the year, and at Christmas sent a box of useful articles; Tait Brothers gave ice cream for all the patients in the hospital at Thanksgiving; and at Christmas money was sent by Mrs. Parker, Mr. Elmer, Mr. Clancy, Mr. Foley, Mr. Vincent and Miss Dickinson.

In November Dr. Arthur N. Ball left our service to enter the service of the Gardner State Colony as assistant superintendent. He came here first as an attendant while working his way through medical college, and then, on Oct. 1, 1912, as assistant physician. He was faithful and conscientious in all he did and was universally liked by employees and patients. He and Mrs. Ball were agreeable members of our official family, and we shall miss them.

I feel it a pleasant duty to record the long and faithful service of another employee, David Mercier, who left us in November, having reached the retirement age. For a period of forty-five years, lacking two months, he had performed the duties of coachman in an honorable and trustworthy manner, enjoying the respect of hospital people and of townspeople as well, to whom his was a familiar figure in his daily trips through town to carry the mails, taking officials and visitors from and to the station, taking patients to ride, and executing innumerable errands, not the least pleasing if not the least onerous of which was the engaging of the ministerial supply for our Sunday service.

Respectfully submitted with my appreciation of the support and encouragement given me by your Board.

JOHN A. HOUSTON,

Superintendent.

VALUATION.

Nov. 30, 1921.

Real	ESTATE.
-----------------------	---------

				КE	AL I	L'STA!	re.				
Land (513	acres)									\$126,753	75
Buildings		•								908,374	28
										\$1,035,128	03
			$\mathbf{P}_{\mathbf{I}}$	erso	NAL	Pro	PERT	Y.			
Travel										\$6,459	73
Food .										10,639	
Clothing a										19,754	
Furnishing										80,253	
Medical a	nd gener	ral car	re							1,754	50
Heat, ligh	t and po	ower								17,775	36
Farm .										45,227	54
Garage, st										5,176	38
Repairs										19,741	88
										\$206,783	56
					Sun	1MAR	Y.				
Real estat	е.									\$1,035,128	03
Personal p	property									206,783	
•											
										\$1,241,911	59

TREASURER'S REPORT.

To the Department of Mental Diseases.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1921:—

Cash Account. Deficit Dec. 1, 1920		\$ 5,871 92
Dencit Dec. 1, 1920		Φ5,571 92
Receipts.		
Income.		
Board of inmates:		
Private		
Reimbursements, insane 29,293 87	POD 456 OF	
Personal services:	\$80,456 86	
Reimbursement from Board of Retirement	25 62	
Sales:	20 02	
Travel, transportation and office ex-		
penses \$12 13		
Food		
Clothing and materials		
Furnishings and household supplies . 80 93		
Farm:		
Cows and calves \$77 00		
Hides 33 29		
Ox yokes 10 00		
120 29		
Arts and crafts sales 691 43		
	2,050 34	
Miscellaneous:		
Interest on bank balances \$452 12		
Rent 723 92		
One barrel 1 00		
	1,177 04	
		83,709 86
Receipts from Treasury of Commonwealth.		
Maintenance appropriations:		
Balance of 1920	\$22,362 16	
Advance money (amount on hand November 30) .	29,000 00	
Approved schedules of 1921	278,082 51	
		329,444 67
Special appropriations		10,256 17
Total		\$417,538 78

Payments.

To treasury of Commonwea	lth, i	nstit	ution	inc	ome				\$83,709	86
Maintenance appropriations							@10.40C	. 24		
Balance of schedules of pr	evio	ıs ye	ear	٠		•				
Eleven months' schedules	, 192	1 .	•	٠	•	•	278,082			
November advances .	٠	•	•	٠	•	٠	19,369	11	010041	
Special appropriations:									313,941	86
By hospital										
By Massachusetts Comm	issior	on	Ment	al	Disea	ses	3,500	00		
D 1 37 00 1001									10,256	17
Balance, Nov. 30, 1921:							#0.054	~0		
In bank	•	•	٠	٠	•	٠	\$9,054			
In office	•	٠	•	٠		٠	576	36		
									9,630	89
m									0445 500	
Total	•	•	•	٠	•	٠		٠	\$417,538	78
		MA	INTEN	ANG	Œ.					
Balance from previous year,	brox	oht.	forwa	rd					\$908	72
Appropriation, current year	DIOC	igiit	101 W a.	10	•	•		Ċ		
rippropriation, current year	•	•	•	•	•	•		•	347,400	
Total									\$348,308	70
Expenses (as analyzed below					•	•				
Expenses (as analyzed below	٠, .	•	•	٠	•	•		•	319,436	30
Balance reverting to tre	asur	y of (Comm	on.	wealt	h .		•	\$28,872	22
	4.	7	: T	7						
Parganal convigage	Ar	alys	is of E	Exp	enses.					
Personal services:				Exp	enses.		Ø4 200	00		
John A. Houston, superint	tendo	nt		$\mathbb{E}xp$	enses.	•	\$4,800			
John A. Houston, superint Medical	tendo	nt				•	7,490	83		
John A. Houston, supering Medical Administration	tendo •	ent				•	7,490 7,962	83 46		
John A. Houston, supering Medical	tendo servi	ent	:			· · · · · · · · · · · · · · · · · · ·	7,490 7,962 7,433	83 46 06		
John A. Houston, supering Medical	tendo servi	ent	:				7,490 7,962 7,433 9,837	83 46 06 55		
John A. Houston, supering Medical	tendo servi	ent	:				7,490 7,962 7,433 9,837 27,654	83 46 06 55 63		
John A. Houston, superint Medical Administration Kitchen and dining-room s Domestic Ward service (male) . Ward service (female) .	tende : servi	ent ce					7,490 7,962 7,433 9,837 27,654 18,601	83 46 06 55 63 88		
John A. Houston, superint Medical Administration Kitchen and dining-room s Domestic Ward service (male) . Ward service (female) . Industrial and educational	tendo servio	ent ce					7,490 7,962 7,433 9,837 27,654 18,601 2,338	83 46 06 55 63 88 37		
John A. Houston, superint Medical Administration Kitchen and dining-room s Domestic Ward service (male) . Ward service (female) . Industrial and educational Engineering department	servi	ent ce					7,490 7,962 7,433 9,837 27,654 18,601 2,338 21,160	83 46 06 55 63 88 37 85		
John A. Houston, superint Medical Administration Kitchen and dining-room s Domestic Ward service (male) . Ward service (female) . Industrial and educational Engineering department Repairs	services department	ent ce					7,490 7,962 7,433 9,837 27,654 18,601 2,338 21,160 8,527	83 46 06 55 63 88 37 85 20		
John A. Houston, superint Medical Administration Kitchen and dining-room s Domestic Ward service (male) . Ward service (female) . Industrial and educational Engineering department Repairs	services department	ent ce					7,490 7,962 7,433 9,837 27,654 18,601 2,338 21,160 8,527 11,696	83 46 06 55 63 88 37 85 20 10		
John A. Houston, superint Medical Administration Kitchen and dining-room s Domestic Ward service (male) . Ward service (female) . Industrial and educational Engineering department Repairs	services department	ent ce					7,490 7,962 7,433 9,837 27,654 18,601 2,338 21,160 8,527	83 46 06 55 63 88 37 85 20 10		
John A. Houston, supering Medical	services department	ent ce					7,490 7,962 7,433 9,837 27,654 18,601 2,338 21,160 8,527 11,696	83 46 06 55 63 88 37 85 20 10	\$129,803	59
John A. Houston, supering Medical	services department	ent ce					7,490 7,962 7,433 9,837 27,654 18,601 2,338 21,160 8,527 11,696 2,300	83 46 06 55 63 88 37 85 20 10 66	\$129,803	59
John A. Houston, supering Medical	services department	ent ce	ent				7,490 7,962 7,433 9,837 27,654 18,601 2,338 21,160 8,527 11,696 2,300	83 46 06 55 63 88 37 85 20 10 66	\$129,803	59
John A. Houston, supering Medical	services department	ent er 	ent				7,490 7,962 7,433 9,837 27,654 18,601 2,338 21,160 8,527 11,696 2,300	83 46 06 55 63 88 37 85 20 10 66	\$129,803	59
John A. Houston, supering Medical	services depression of the services of the ser	nt	ent				7,490 7,962 7,433 9,837 27,654 18,601 2,338 21,160 8,527 11,696 2,300	83 46 06 55 63 88 37 85 20 10 66	•	
John A. Houston, supering Medical	tenda sservia deps	ont	ent				7,490 7,962 7,433 9,837 27,654 18,601 2,338 21,160 8,527 11,696 2,300	83 46 06 55 63 88 37 85 20 10 66	\$129,803	
John A. Houston, superint Medical	tenda	nt	ent				7,490 7,962 7,433 9,837 27,654 18,601 2,338 21,160 8,527 11,696 2,300	83 46 06 55 63 88 37 85 20 10 66	•	
John A. Houston, superint Medical	sservices services se	nt	ent				7,490 7,962 7,433 9,837 27,654 18,601 2,338 21,160 8,527 11,696 2,300 \$600 100 520	83 46 06 55 63 88 37 85 20 10 66 	•	
John A. Houston, superint Medical	sservices services se	nt	ent				7,490 7,962 7,433 9,837 27,654 18,601 2,338 21,160 8,527 11,696 2,300 \$600 100 520	83 46 06 55 63 88 37 85 20 10 66 — 00 00 00	•	
John A. Houston, superint Medical	sservices services se	nt	ent				7,490 7,962 7,433 9,837 27,654 18,601 2,338 21,160 2,300 \$600 100 520 \$290 326 465	83 46 06 55 63 88 37 85 20 66 —————————————————————————————————	•	
John A. Houston, superint Medical	sservices services se	nt					7,490 7,962 7,433 9,837 27,654 18,601 2,338 21,160 8,527 11,696 2,300 \$600 100 520 \$290 326	83 46 06 55 63 88 37 85 20 66 —————————————————————————————————	•	

$Amounts\ brought\ forward$	٠	•		•	•		\$1,299 4	8	\$131,023	59
Travel, transportation and of										
Stationery and office suppli	es						1,831 8	8		
Telephone and telegraph							1,138 0	7		
Travel							1,349 6	7		
Express							314 9	0		
Premium on bond							40 0	0		
								-	5,974	00
Food:							\$7,404 4	5		
Flour	•	•	•	•	•	•	1,262 5			
Cereals, rice, meal, etc	-		٠			•	1,202 5			
Bread, crackers, etc.			•			•	1,315 7			
Peas and beans (canned an	a aı	riea)	•			•				
Macaroni and spaghetti					•	•	419 1			
Potatoes	٠		•		٠	•	1,784 7			
Meat	. 1\	•	•		•	٠	18,985 4			
Fish (fresh, cured and can						•	2,847 5			
Butter			•	•	•		1,984 6			
Butterine, etc.	٠		•	•	•	•	3,838 6			
Peanut butter			•			•	6 1			
Cheese			•	•	-		1,097 6			
Coffee and cocoa			•		-	•	443 7			
Coffee substitutes	•				•	•	486 7			
Tea							416 9			
Ice cream							76 7			
Milk (condensed, evaporat	ed,	etc.)					477 9			
Eggs (fresh)							5,526 4			
Egg powders, etc							12 5			
Sugar (cane)							3,090 3	37		
Sugar (cane)							1,753 6			
Fruit (dried and preserved Lard and substitutes) .						4,775 9	93		
Lard and substitutes .							1,296 (96		
Molasses and syrups .							930 8	57		
Molasses and syrups . Vegetables (canned and dr	ied)						243 2	26		
Seasonings and condiments	s .						577 9	93		
Seasonings and condiments Yeast, baking powder, etc.							478	30		
Tapioca and cornstarch							552	11		
Nuts							208	25		
Ginger ale and grapejuice							167	64		
Gelatine							157	52		
Chocolate							71 9	94		
Cookies							26	45		
Cookies	·	•	•	-	-	-			62,858	25
Clothing and materials:										
Boots, shoes and rubbers							\$1,829	74		
Clothing (outer)							1,055	67		
Clothing (under)							2,101			
Dry goods for clothing .							1,486	56		
Hats and caps							107	66		
Leather and shoe findings							91	18		
Machinery for manufactur							79	66		
Socks and smallwares .							2,107	07		
Industries							614			
Industrial .								_	9,473	76
								-	0000000	-
Amount carried forward			•		•	•			\$209,329	60

Amount brought forward									\$209,329	60
Eugeiship as and household	1	•							,,	••
Furnishings and household su							AH 000	. =.		
Beds, bedding, etc Carpets, rugs, etc	•	•	•			•	\$7,20			
Carpets, rugs, etc	•		•	٠	•	•		2 58		
Crockery, glassware, cutler	ту, е	tc.			•	•	1,364			
Dry goods and smallwares			٠	٠	•	•	2,027			
Electric lamps			•	•	•	•		54		
Fire hose and extinguisher	s.	•			•			79		
Furniture, upholstery, etc. Kitchen and household wa Laundry supplies and mate	٠	•	•				4,052			
Kitchen and household wa	res						4,429	13		
Laundry supplies and mate	erial	s.					3,757	37		
Lavatory supplies and disi	nfec	tants					520	10		
Machinery for manufactur	ing						16	83		
Table linen, paper napkins	, tov	vels,	etc.				1,599	98		
									26,613	55
Medical and general care:										
Books, periodicals, etc.							\$333	96		
Entertainments, games, etc	э.						1,910	90		
Funeral expenses							161	55		
								00		
Ice and refrigeration .								41		
Laboratory supplies and ap				Ť	•	•		00		
Medicines (supplies and ap					Ċ		1,337			
Medical attendance (extra)					•	•	35			
Patients boarded out .						•	2,545			
Return of runaways .	•			٠	•	•	•	97		
Tobacca pines matches	•		•	•	•	•				
Tobacco, pipes, matches			•	•	•	•	684			
Water	٠	٠	•	•	;		3,282			
Photo supplies Dental supplies			٠	•	٠	•	50			
Dental supplies	٠	•				•	271			
Continuous treatment bath	s	•	-	•	•		635	38		
TT - 4 11 14 4 - 4									11,951	12
Heat, light and power:										
Coal (bituminous)		•	•	٠	•	٠	\$10,843			
Freight and cartage .	•	•	•		•	•	15,589			
Coal (anthracite)		•					2,099			
Freight and cartage .			•				609			
Wood								00		-4
Electricity						-	78	39		
Gas							231	19		
Gas Oil							458	49		
Operating supplies for boile	rs a	nd en	gines	š			263	31		
									30,179	38
Farm:										
Bedding materials							\$930	07		
Blacksmithing and supplies							425	15		
Carriages, wagons and repa	irs						499	71		
Dairy equipment and suppl							85	39		
Fencing materials							262			
Fertilizers							3,002			
Fertilizers							8,143			
Harnesses and repairs .			:	Ċ			225			
Other live stock					:		950			
Other live stock Labor (not on pay roll)	•			:	•	•		00		
Zasor (not on pay 1011)	•	•	•	•	•	•				
Amounts carried forward							\$14,579	75	\$278,073	 65

$Amounts\ brought\ forward\ .\ .\ .\ .$. \$14,579 75	\$278,073 65
Farm — Con .		
Rent	. 100 00	
Spraying materials	. 208 10	
Spraying materials	. 69 06	
Tools, implements, machines, etc	. 1,959 27	
Trees, vines, seeds, etc	. 1,175 73	
	. 369 52	
Transfers and registrations	. 16 00	
	. 178 50	
1		18,655 93
Garage, stable and grounds:		
Motor vehicles	. \$1,731 50	
1 1 1	. 1,615 93	*
Blacksmithing and supplies	. 49 25	
Carriages, wagons and repairs	. 7 50	
Fertilizers	. 46 18	
Grain	. 46 00	
Grain	. 244 64	
Stable supplies	. 4 25	
Stable supplies	. 98 77	
	. 305 06	
Trees, vines, seeds, etc	. 505 00	4,149 08
Repairs, ordinary:		4,149 08
Brick	. \$49 60	
Cement, lime, crushed stone, etc.	. 751 97	
Electrical work and supplies	. 683 50	
Hardware iron steel etc.	580 42	
Hardware, iron, steel, etc	207 80	
Lumber, etc. (including finished products)	. 1,932 70	
Point oil alors ato	2,286 53	
Paint, oil, glass, etc	692 58	
Roofing and materials	619 89	
	2,085 03	
	608 43	
	601 96	
Engines, repairs	. 154 80	11 055 01
Denoise and senerales		11,255 21
Repairs and renewals:	@190 EO	
Rotary tube cleaner	\$138 50	
Feed pump Hot-water circulating pump	430 00	
Hot-water circulating pump	258 24	
Electric light posts	249 73	
Steam line to main barn	250 00	
Steam main to No. 2 greenhouse	330 00	
Steam main to No. 1 greenhouse	110 00	
Steam main to horse barn and piggery	695 00	
Tunnel for pipes and wires	894 95	
Fire-protection apparatus	565 22	
Portable tar kettle	153 93	
Window guards for nurses' homes	299 19	
Automatic temperature control, greenhouse	164 75	
Renewing plunge, elevator	275 00	
Slating gutters, North Infirmary	541 41	
4	@F 9FF 00	#210 122 OF
$A mounts \ carried \ forward \ . \ . \ . \ . \ .$	\$5,355 92	\$312,133 87

			\$5,355	92	\$312,133	87
			138	00		
			675	65		
			335	00		
			75	00		
			310	00		
			139	72		
			273	34		
					7,302	6 3
				•	\$319,436	50
ROPRL	ATIO:	NS.				
					\$16.322	58
					,	
	•		\$9,660	65		
			3,161			
	ROPRI. below	ROPRIATIO below):	ROPRIATIONS.	138 675 335 75 310 139 273	138 00	

Овлест.	Act or Resolve.	Whole Amount.	Expended during Fiscal Year.	Total Expended to Date.	Balance at End of Year.
Two nurses' homes	Chap. 50, Res. 1918 \$108,000 00	\$108,000 00		\$7,429 07 \$107,253 37	\$746 63
Purchase of land and buildings	Chap. 50, Res. 1918	5,000 00	613 45	4,966 57	33 43
Purchase of land	Chap. 629, Acts 1920	7,500 00	5,118 13	5,118 13	2,381 87
		\$120,500 00	\$13,160 65	\$120,500 00 \$13,160 65 \$117,338 07	\$3,161 93

· Balance reverting to treasury of the Commonwealth

RESOURCES AND LIABILITIES.

Resources.

	100	sour	cco.							
Cash on hand				٠.		\$9	630	89		
November cash vouchers (paid from	m ac	lvai	nce n	none	y),					
account of maintenance .						19	,369	11		
		_							\$29,000	00
Due from treasury of Commonwea	$_{ m lth}$	fror	n av	ailal	ole a	ppro	priat	ion		
account November, 1921, schedu	le				•				12,769	87
Special appropriations					•	•		•	2,904	48
								-	\$44,674	35
	Lic	ibili	ties.							
Outstanding schedules of current ye	ear:									
Schedule of November bills .									\$41,769	87
Special appropriation schedules									2,904	4 8
								-	\$44,674	35
	Dan	C.	DTM 4						•	

PER CAPITA.

During the year the average number of inmates has been 1,004.70. Total cost for maintenance, \$319,436.50.

Equal to a weekly per capita cost of \$6.114.

Receipt from sales, \$2,050.34.

Equal to a weekly per capita of \$0.0392.

All other institution receipts, \$81,659.52.

Equal to a weekly per capita of \$1.563.

Net weekly per capita cost of \$4.51.

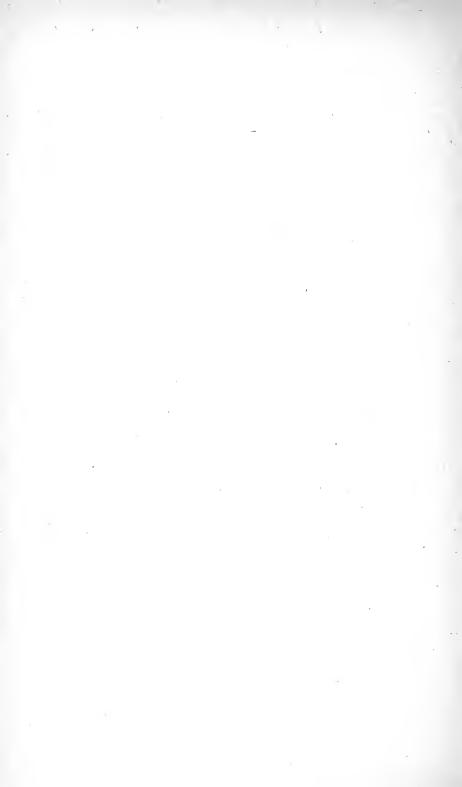
Respectfully submitted,

EVA L. GRAVES,

Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

ALONZO B. COOK, Auditor.



STATISTICAL TABLES AS ADOPTED BY AMERICAN PSYCHIATRIC ASSOCIATION

Prescribed by Massachusetts Department of Mental Diseases



STATISTICAL TABLES.

Table 1. — General Information.

1	Date of	opening	ลร ลก	institution	for the	insane.	A110 1	6 1858	2
1.		Opcuming	ao an	monunum	TOT GITE.	msauc.	Aug.	LO. TOUC	٠.

2. Type of institution: State.

3.	Hos	$_{ m oital}$	[g .	lant:

Real estate, includi	ng b	uildi	ngs a	ınd b	ettei	men	ts	\$813,009	66
Personal property								213,291	78

Total										. \$1,026,301 44	
-------	--	--	--	--	--	--	--	--	--	------------------	--

Total acreage of hospital property, $513\frac{1}{2}$. Acreage under cultivation during year, 145.

4.	Medical service:			Men.	Women.	Totals.
	Superintendents			1	_	1
	Assistant physicians			2	2	4
	Dentist			1	_	1
	7 - 7 - 7 - 7			_	_	. –
	Clinical assistants			_	_	-
	Total			1	0	c

5. Employees:		Males.	Females.	Totals.
Graduate nurses		_	7	7
Other nurses and attendants		37	22	59
Social workers		-	_	-
All other employees		45	27	72
				
Total		82	5 6	138

6. Percentage	of	patients	emp]	loyed	during	Men.	Women.	Totals.	
vear						68.46	66.80	67.63	

Table 2. — Financial Statement.

See treasurer's report for data requested under this table.

Table 3. — Movement of Patient Population for the Year ending Sept. 30, 1921.

						тнев	OTHER CLASSES.	ம்		E	, A	
		INSANE.		SAN	SANE, VOLUN- TARY.	-N.	TEMPC AND O NOT	TEMPORARY CARE AND OBSERVATION NOT COMMITTED.	TION,	TOT	1 OTAL ON BOOKS.	OOKS.
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	.elsloT
1. Patients on books of institution Sept. 30, 1920	604	614	1,218	1	1	ı		1	1	604	615	1,219
Admissions during the year: (a) First admissions (b) Readmissions (c) Transfers from other institutions for the insanc 2. Total precived during year	139 40 179	146 46 192 192	285 86 371 371	11111	-1-1-		12 5 17 17	0 2 2 1 2 1	22 7 29 29	151 45 196 -	157 48 205 205	308 93 401 - -
3. Total under treatment during year Discharged from books during year: (a) As recovered (b) As immoved	783 35 55	806 31 43	1,589	1 1 1	- 11	- 11	33	5 61 61	30	800 38 60	820 33 45	1,620 71 105
	14 50 59	15 56 52	29 106 111	11111	1111	1111	01001001	ω4:1⊩	-31 -35	05 4 05 0 1	18 52 1	34 106 114
4. Total discharged from books during year 5. Patients remaining on books of institution Sept. 30, 1921.	214 569	197 609	1,178	į I	I #	1	16	12	28,61	230 570	$\begin{array}{c} 209 \\ 611 \end{array}$	$\frac{439}{1,181}$
Supplementary Data.	604.102	618.508	1,222.610	I	.720	.720	998.	699.	1.535	604.968	619.897	1,224.865
	500.999 .167 .102.936 8 64	501.756 8.526 108.226 9	1,002.755 8.693 211.162 17	1111	. 720	.720	.866	. 669	1.535	$501.865 \\ .167 \\ .102.936 \\ .81$	503.145 8.526 108.226 10	1,005.01 8.693 211.162 18 170

10. Number of patients actually remaining in institution Sept. 30, 1221 State Reimbursing Private 11. Number of patients in family care Sept. 30, 1921 State Private Private Self-supporting 12. Number of different persons within the year 13. Number of different persons admitted from the community 13. Number of different persons admitted from the community 14. Number of different persons dismissed, exclusive of transfers	482 422 423 30 50 30 104 - 104 - 2 2 - 2 778 803 177 162	984 770 80 80 1134 10 10 1,581 368 368	111111111	 	11 11 11 11 11 11 11 11 11 11 11 11 11	112221	229	483 423 30 30 30 795 1194 178	504 350 500 500 104 10 8 8 8 10 22 2 2 2 2 10 10 10 10 10 10 10 10 10 10 10 10 10	987 773 80 134 10 8 2 2 2 2 2 2 2 338 338 329	,
 Number of non-insane patients or inmates in institution at end of inst (h) Persons given advice or treatment in out-patient department du 	of institution year at during year						W	Males. F	Females.	Totals.	

Table 4. — Nativity of First Admissions and of Parents of First Admissions.

			P	ATIENT	s.		RENTS MALE ATIENT	1	OF	ARENT FEMA	LE
Nativity	•		Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
United States			93	95	188	56	53	109	58	57	115
Austria			2	4	6	2	2	4	4	4	8
Belgium			1	-	1	1	1	2	-	-	-
Canada			11	7	. 18	18	22	40	16	15	31
Czecho-Slovakia .			_ '	1	1	-	-	-	1	1	2
England			4	2	6	8	6	14	6	7	• 13
Finland			-	1	1	-	-	-	2	2	4
France			1	-	1	2	2	4	_	-	-
Germany			2	3	5	4	4	8	5	5	10
Greece			3	-	3	2	2	4		-	_
Holland			_	1	1	-	-	-	1	1	2
Hungary			1	-	1	1	1	2	-	-	-
Ireland			5	15	20	21	23	44	27	32	5 9
Italy			3	4	7	3	3	6	4	4	8
Persia			_	-	-	-	-	-	1	1	2
Poland			4	5	9	4	4	8	6	6	12
Russia			5	4	9	7	7	14	4	4	8
Scotland			2	1	3	3	4	7	5	3	8
Sweden			_	2	2	-	-		1	1	2
Turkey in Asia .			1	-	1	1	1	2	-	-	-
Turkey in Europe .			-	1	1	1	1	2	-	-	-
Wales			1	-	1	1	1	2	-	-	-
Total foreign born			46	51	97	79	84	163	83	86	169
Unascertained			-	-	-	4	2	6	5	3	8
Grand total .			139	146	285	139	139	278	146	146	292

							Males.	Females.	Totals.
Citizens by birth . Citizens by naturalization							93 20 26	95	188
						-	20	32	52 44
Aliens	•	•		•	•	- 1	26	18	44
Ottizenship unascertained	•	٠	•	•	•	.		1	1
Total							139	146	285

Table 6. — Psychoses of First Admissions.

	ſ					===
Psychoses.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic				1	_	1
(a) Traumatic constitution	1	-	1	40		
2. Senile, total (a) Simple deterioration	6	i	7	12	9	21
(b) Presbyophrenic type	ĭ	2	3		i	
(c) Delirious and confused	2	1	3			
(d) Depressed and agitated	2	3 1				
(f) Presentle	1	1	1			
3. With cerebral arteriosclerosis		. . .		17	15	32
4. General paralysis				12	4	16 7 1
5. With cerebral syphilis				4	3	7
7. With brain tumor	• •	: :			1 1	1
8. With other brain and nervous diseases, total	1: :	1::	: :	3	4	7
Brain abscess	-	1	1	- 1	_	·
Cerebral embolism	1	- 2	1			
Cerebrospinal syphilis	2	1	$\frac{2}{3}$	ļ		
9. Alcoholic, total	1			13	3	16
(b) Delirium tremens	1	-	. 1 3 5 6		۱	
(d) Acute hallucinosis	3	-	3		1	
(e) Chronic hallucinosis	5	2	5			
(g) Chronic paranoid	ı		1			
10. Due to drugs and other exogenous toxins, total .	1			-	1	1
(a) Opium	-	1	1			_
11. With pellagra				7	2	2
12. With other somatic diseases	i	i	• • •	•	8	15
(c) Exhaustion delirium	2	Î	3			
(c) Exhaustion delirium (d) Delirium of unknown origin	-	1	1			
(e) Cardiorenal disease	4	2	. 6			
(f) (1) With exophthalmic goiter (2) With hypothyroid state	1 -	1 1	1			
(3) With pituitary and ovarian deficiency .	-	Î	ī			
13. Manic-depressive, total			· . <u>.</u>	20	21	41
(a) Manic type	11	4	15			
(b) Depressed type	5	8 2	13 3			
(d) Mixed type	2	4	6			
(e) Circular type	1	3	4			
14. Involution melancholia				3	6	9
15. Dementia præcox, total	10	24	34	33	47	80
(b) Catatonic type	7	12	19			
(c) Hebephrenic type	12	8	20			
(d) Simple	4	3	7			
16. Paranoia or paranoid conditions				_	-	-
(a) Epileptic deterioration	: :		· 2	_	2	2
18. Psychoneuroses and neuroses				-	3	3
(a) Hysterical type	-	i	1			
(b) Psychasthenic type	1 -	1	1			
19. With psychopathic personality	1	1. 1	. 1	5	_	5
20. With mental deficiency			: :	3 3	3 7	6
21. Undiagnosed				3		10
22. Without psychosis, total	1 . 2	· i		3	6	9
(e) Mental deficiency without psychosis	1 1	5	6			
		-				
Total				139	146	285
	ļ	1	1	1		

Table 7.—Race of First Admissions classified with Reference to Psychoses.

	N I	Totals.	11111111111111111	- [
	WITH BRAIN TUMOR,	Females.	111111111111111	
	TIM	Males.	11111111111111111	1
	S'N'S	.zlatoT		1
	WITH HUNTINGTON'S CHOREA.	Females.	11111111111111	-
	HUNI	Males.		1
	7.0	Totals.	11111-111111111111111111111111111111111	7
	WITH CEREBRAL SYPHILIS.	Females.	111111111111111111111111111111111111111	3
	CEJ	Males.	111111111111111111111111111111111111111	4
	L IS.	.alstoT	11111611111111111	16
Psychoses.	GENERAL PARALYSIS.	Females.	111110011111111111	4
Psrc	GE	Males.	111118111111111110	12
	H 1 8	Totals.	1110014-0114111111-00	32
	WITH CEREBRAL ARTERIO- SCLEROSIS.	Females.	111-10-1101111110	15
	CE	Males.	111212111211111110	17
		Totals.	11111841181118110	21
	SENILE,	Females.	11111111411114	6
	56	Males.	1111101110111111119	12
	10.	Totals.	111111111111111	1
	TRAUMATIC.	Females.		ı
	TRA	Males.	11111111111111	1
		Totals.	66 111 111 111 120 120 120 121 121 121	285
	TOTAL.	Females.	28 28 28 28 29 11 11 12 13	146
	L .	Males.	81 8 1 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1	139
				•
				•
	RACE.			•
			ian savian	
			African . Arnemian Dutch . Dutch . Dutch . English . French . French . Iralian . Italian . Magyar . Scendinavian . Scondinavian . Scotch . Scotch . Scotch . Mixed .	Total

Table 7.— Race of First Admissions classified with Reference to Psychoses — Continued.

11	1	*ST#10.T	୍ ସର ଜା ଜଣ ମଣ ଅଟି ଅମ ସର ଅଟି ଅ	1 - 1
	TTIA DX.	Totals.	7	8
	DEMENTIA PRÆCOX.	Females.	111111111111111111111111111111111111111	47
	A A	Males.	21 12 18 11 24 24 1 1 1 1 1 1 1 1 1 1	33
	ION LIA.	Totals.	11-0101110111110	6
	INVOLUTION	Females.	114414111411111111111111111111111111111	9
	INV	Males.	111-1-111-1111111	8
	VE.	.slatoT	111111111111111111111111111111111111111	41
	MANIC- DEPRESSIVE,	Females.	1114144144411414141	21
	DEP	Males.	111111111111111111111111111111111111111	20
	a D &	.slstoT	1111111111111111111111111111	15
	WITH OTHER SOMATIC DISEASES.	Females.	111111111111111111111111111111111111111	00
·SES.	WIT SIG	Males.	1111111111111111	7
Psychoses.		Totals.		2
Ps	WITH PELLAGRA.	Females.	-111111111111111	67
	PEI	Males.		7
	DUE TO DRUGS AND OTHER EXOGENOUS TOXINS.	Totals.	1111111111111111	-
		Females.	111111111111111	-
	DUE AND EXO	Males.	111111111111111111	-
	.c.	Totals.	111111111111111111111111111111111111111	16
	АГСОНОГІС.	Females.	111111111111111111111111111111111111111	8
	ALC	Males.	11141401144414416	E3
	ER US	.slatoT		7
	WITH OTHER BRAIN OR NERVOUS DISEASES.	Females.		4
	WITE B OR N DIS	Males.	111111111111111111111111111111111111111	e9
- '				$\overline{\cdot}$
				$\cdot \parallel$
	RACE.			.
	R,			
			rviar	_
			African . Armenian Dutch . Dutch . Benjish ! Elemish ! Elemish . Erench . German . Erench . German . Isish . Isish . Isish . Isish . Isish . Isish . Seardinavian Scardinavian Scardinavian Scardinavian Scardinavian . Welsh . Mixed	Total

Table 7.—Race of First Admissions classified with Reference to Psychoses — Concluded.

	e zi	Totals.	
	WITHOUT PSYCHOSIS.	Females.	
	M. BS.	Males.	
	ED.	Totals.	111112111111111111111111111111111111111
	UNDIAGNOSED.	Females.	-11111111118
	UND	Males.	
	ľAĽ	Totals.	111111111111111111111111111111111111111
	WITH MENTAL DEFICIENCY.	Females.	1 1 1 1 1 1 1 1 1 1
SES.	WITE	Males.	111111111111111111111111111111111111111
Psychoses.	40-	Totals.	111111111111111111111111111111111111111
	WITH PSYCHO- PATHIC PERSONALITY.	Females.	
	WITE P PERS	Males.	
	OSES.	Totals.	111111111111111111111111111111111111111
	NEUR	Females.	
	PSYCHONEUROSES	Males.	11111111111111111111
		.slatoT	
	EPILEPTIC.	Females.	[-
	da .	Males.	11111111111111111
	ä		
	RACE.		
			African . Armenian Dutch Dutch English . Flemish . French . German . German . Hebrew . Hish . Lithuanian . Lithuanian . Scandinavian . Scandinavian . Slavonic . Welsh . Mixed . Total .

Table 8.— Age of First Admissions classified with Reference to Principal Psychoses.

1	١.	Totals.	1	26
	40-44.	Females.	!!!!!=!!==!!!=!0!!!!!=!	=
	4.	Males.	1110111001110011111	12
		Totals.	1114111901140181111199	32
	35-39.	Females.	111-111-11104-10011111-1	17
	, m	Males.	111011110110014111111	15
		Totals.	111-1-1101-02-14-111-61	8
	30-34.	Females.	111-1-11-1-00:00:00:1111-01	20
	· · ·	Males.	111111111111111111111111111111111111111	01
		Totals.		25
YEARS.	25-29.	Females.		13
Y Y		Males.	1111111111111111	12
		Totals.	111111111111111111111111111111111111111	21
	20-24.	Females.	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10
		Males.	1111111111110101111111	Ξ
		Totals.	111111111111111111111111111111111111111	12
	15-19.	Females.	11111111101101111111	ro
		Males.	1 1 1 1 1 1 1 1 1 1	7
	15.	Totals.	11111111111111111	i
	UNDER 15.	Females.		
<u> </u>	d D	Males.	111111111111111111111111111	
	ن	Totals.	221.22 162.22 17.7 17.7 17.7 18.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0	285
	I OTAL.	Females.	1.65148114811288129187-9	146
	·'	Males.	111111111111111111111111111111111111111	139
1				
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				•
			xins	
			sasses	.
1		SES.	is:	.
		rsychoses.	inrea rrouu rrouu reasee easee conc	.
	Ė	Ä	riosc hilis s chc or ne othe ic dis sholiu anoic	
			l arte l ysis l syp gton umor rain s and b sive marker sive con l pari ses ses ses pathi opathi opathi	
			tic bara para ebra ebra ebra ebra in the b c c c c c c c c c c c c c c c c c c c	-
			Traumatic Senile With cerebral arteriosclerosis . General paralysis . General paralysis . With cerebral styphilis . With huntington's chorea . With huntington's chorea . With huntington's chorea . With hunting on's chorea . Much other brain or nervous diseases . Alcoholic . Due to drugs and other exogenous toxins . With pallagra . With pallagra . With pallagra . Dementia precox . Branoia and paranoic conditions . Paranoia and paranoic conditions . Experimentose . With psychopathic personality . With mental deficiency . Undiagnosed . Without psychosis .	Total
			COMPANY ARE FRANCHED FOR	
11			22.7. 22.1. 22.1. 22.1. 22.1. 23.0.	

Table 8.— Age of First Admissions classified with Reference to Principal Psychoses — Concluded.

		Totals.	121	19
	OVER 80.	Females.	ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا	11
	ò	Males.	1041111111411111111	80
		Totals.	14011111111111111111	11
	75-79.	Females.	[H 44	5
	1	Males.	100011111111111111111	9
		Totals.	180111111111111111111111111111111111111	13
	70-74.	Females.	111111111111	-
	-	Males.	1001111111111111111	12
		Totals.	t	10
	65-69.	Females.	LIHITITET HERRITITE	2
RS.	ý	Males.	14011111111011111111	3
YEARS.		Totals.		14
	60-64.	Females.	110011111111111111111111111111111111111	9
	9	Males.	1101111-01110-1111111	œ
		Totals.		25
	55-59.	Females.	[10
	Ϋ́	Males.		15
		Totals.	11104111001114410111111111	26
	50-54.	Females.	1	15
	,	Males.	1116001116011160111	=
		Totals.	1 1 1 1 2 1 1 1 1 1 4 1 9 1 1 2 1 1 1 1 1	21
	45-49.	Females.	1140111414151101111	17
	4	Males.	Illeelfelfilfileffilff	4
				•
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				.
			ses tox	
	;	s sa	· · · · · · · · · · · · · · · · · · ·	
		L'SYCHOSES.	rosis ea vous exog exog ondii	
	ŕ	Lst	ilis chor inter inter cher dise doic c	. [
			urteri sissi sissi syphi on's on's on's in ou natic varianch cox oaranch se sthic eficie eficie esissi	
			oral s arally arally arally tingt tingt tingt n tun tun tr bra ugs a ugs a ugra n ressi n mel præe and r uroses hopa tal da sed	
			Traumatic Senile With cerebral arteriosclerosis With cerebral arteriosclerosis With cerebral syphilis With Cerebral syphilis With the Huntington's chorea With brain tumor With Drain tumor Due to drugs and other exogenous toxins With other somatic diseases Minth other somatic diseases With other somatic diseases Involution melancholia Dementia præcox Epileptic Frychopathic personality With psychopathic personality With psychopathic personality With mental deficiency Undiagnossed With psychosis	Total
			Traumatii Senile With carel With carel With carel With carel With hu With hu With hu With pub With othe With othe Manic-del Manic-del Manic-del Manic-del With pub Dearentia Dearentia Dearentia Dearentia With pub With pub	T
			1.2.e.4.e.6.7.8.e.0.112.e.4.e.6.7.8.e.0.122	

Table 9.—Degree of Education of First Admissions classified with Reference to Psychoses.

# d	Totals.	1-011111111114111111	~
Unascer- tained.	Females.	11-1111111110111111	က
Ų	Males.	HH	4
E.	Totals.	1-1011111111011111111	∞
College	Females.	11111111111111	-
CC	Males.	[11] [1] [1] [1] [1] [1] [1] [1] [1]	7
,	Totals.	100001111110001	32
Нідн Зснооц.	Females.	1-11111111111111111	20
, .α	Males.	1-00:111111014111111	12
z ;	Totals.		160
COMMON SCHOOL.	Females.	12042 12 114 20 21 14	æ
Çw	Males.	108804 1261 1271 1441 1	77
QN.	Totals.	188 121 1 1 2 1 1 8 2 1 2 1 1 1 1 1 1 1	29
READS AND WRITES.	Females.	04 0 04 - 1 0-0	30
RE	Males.	144 11 114 1116 6 1 11 6	29
TE.	.elstoT	1000	19
ILLITERATE.	Females.	11:111-11-11-11-1	6
ILL	Males.	100	10
	Totals.	128 168 177 177 178 188 188 199 199	285
Total.	Females.	100 100 100 100 100 100 100 100 100 100	146
T	Males.	112 112 112 113 113 113 113 113 113 113	139
			•
		clerosis	
		ease	
		cierosis	
	OSES	corea	•
		is is thory is the control of the co	•
	Psyce	is is is	
		il ari llysi llysi llysi llysi in ari rain ma ma ma ma ma ma ma ma ma ma ma ma ma	
		ic sbra sbra sbra sbra rug lagri er s spre s ppres and an m a pri and intal	_
		mat mat mat mat mat mat mat mat mat mat	Total
		1. Traumatic Sanile With ocerbral arteriosele With ocerbral arteriosele With General paralysis With General paralysis With General spanish with General spanish with General spanish that the With Chars and other Sanith Charles of Mich Chars and other Sanith Charles of Mich Chars and other Sanith Charles of Mich Other somatic disease. With other somatic disease of Manile General Sanith	T
		21.00.04.00.00.00.00.00.00.00.00.00.00.00.	

		Готаі		τ	JRBAI	٧,	F	RURAI	
Psychoses.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	1	_	1	1	-	1	-	-	_
2. Senile	12	9	21	8	6	14	4	3	7
3. With cerebral arteriosclerosis	17	15	32	12	9	21	5	6	11
4. General paralysis	12	4	16	10	4	14	2	-	2
5. With cerebral syphilis	4	3	7	4	3	7	-	-	-
6. With Huntington's chorea	-	1	1	-	-	-	-	1	1
7. With brain tumor	-	1	1	-	1	1	-	-	-
8. With other brain or nervous diseases .	3	4	7	2	2	4	1	2	3
9. Alcoholic	13	3	16	8	2	10	5	1	6
10. Due to drugs and other exogenous toxins	-	1	1	-	-	-	-	1	1
11. With pellagra	-	2	2	-	1	1	-	1	1
12. With other somatic diseases	7	8	15	5	7	12	2	1	3
13. Manic-depressive	20	21	41	15	15	30	5	6	11
14. Involution melancholia	3	6	9	3	4	7	-	2	2
15. Dementia præcox	33	47	80	22	34	56	11	13	24
16. Paranoia and paranoic conditions	-	-	-	-	-	-	-	-	-
17. Epileptic	-	2	2	-	2	2	-	-	-
18. Psychoneuroses	-	3	3	-	1	1	-	2	2
19. With psychopathic personality	5	-	5	2	-	2	3	-	3
20. With mental deficiency	3	3	6	3	2	5	_	1	1
21. Undiagnosed	3	7	10	3	4	7	-	3	3
22. Without psychosis	3	6	9	2	4	6	1	2	3
Total	139	146	285	100	101	201	39	45	84

Table 11. — Economic Condition of First Admissions classified with Reference to Principal Psychoses.

		Total.		DEP	Dependent.		MA	Marginal.		Сом	COMFORTABLE	LE.	Unasc	Unascertained.	ED.
. Взусноявя.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	.slatoT
1. Traumatic 2. Senile 3. Senile 3. With cerebral arteriosclerosis 4. General paralysis 5. With cerebral syphilis 6. With Prain tumor 7. With brain tumor 7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra and other exogenous toxins 12. With other somatic diseases 13. With other somatic diseases 14. Involution melancholia 15. Dementia precox 16. Paranoia and paranoic conditions 17. Epileptic 18. Exychoneuroses 19. With mental deficiency 21. Unidagrosed 22. Without psychosis		10548011480188679471881879	100 100 100 100 100 100 100 100 100 100	111111111111111111111111111111111111111	[][====][][=][][=][][=][111111111111111111111111111111111111111	122811112381122112384	1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	14441111114614111111	4m 4m	104			111111111111111111111111
Total	139	146	285	41	11	15	124	109	233	11	26	37	1	1	

Table 12.— Use of Alcohol by First Admissions classified with Reference to Principal Psychoses.

NED.	Totals.		13
UNASCERTAINED.	Females.	1181111111111118181811111	10
Unas	Males.	11111111111111111111111111	8
TE.	.slstoT	118881111111111111111111111111111111111	35
Intemperate.	Females.	1 1 1 1 1 1 1 1 1 1	4
Int	Males.	11684-1145114416111111	31
ъ.	Totals.	1980-81141-188881114121	65
TEMPERATE.	Females.	1	15
TB	Males.	198611111111129881114111	20
T.	Totals.	215 20 20 20 20 21 22 27 27 27 27 27 27 27 27 27 27 27 27	172
ABSTINENT.	Females.	1 0 1 1 1 1 1 2 8 8 1 1 1 1 1 1 1 1 1 1 1 1	117
Aı	Males.	1000001111114014111110110	55
	Totals.	1282 166 177 177 177 177 178 179 179 179 179 179 179 179 179 179 179	285
TOTAL.	Females.	100 1100 1100 1100 1100 1100 1100 1100	146
	Males.	112771122 12771123 12771133 12771133 1277113 127713	139
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	OSES.	a a ous d ous d ses ses nulit;	
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		21.0 WW.P.P.P.P.P.P.P.P.P.P.P.P.P.P.P.P.P.P.	
	Psychoses	Traumatic Senile General paratrioselerosis General paralysis General paralysis With Eurebral syphilis With Huutington's chorea With brain tumor With brain tumor With other brain or nervous diseases Alcoholic Due to drugs and other exogenous toxins With pellagra With other somatic diseases Mani-depressive Involution melancholia Dementia precox Paranoia and paranoic conditions Epileptic Fychomeuroses With psychopathic personality With psychopathic personality Undiagnosed Withhout psychosis	Total

Table 13. — Marital Condition of First Admissions classified with Reference to Principal Psychoses.

, ,			1.
ER-	Totals.		60
UNASCER- TAINED.	Females.		2
D.	Males.	11111111111111	
ED.	Totals.	1	œ
Divorced	Females.	11100111411111101111111	5
DI	Males.		89
ED.	Totals.	11111411111141411111	9
Separated.	Females.	11111-11111111001-11111	10
SEP	Males.	11:11:11:11:11:1	-
e l	Totals.	185481 1481 184881 1 1 1 144	20
Игромер.	Females.	100111111111111111111111111111111111111	30
Wı	Males.	1204411101144111111111	20
o l	Totals.	146000 116011200844 1111 1 101	112
MARRIED.	Females.	1 12 12 12 12 13 14 15 15 15 15 15 15 15	57
MA	Males.	140001110011000011111111	55
	Totals.	— 10 m m m m m m m m m m m m m m m m m m	106
SINGLE	Females.	63 11	47
702	Males.	23 11 11 11 12 23 23 23 23 23 23 23 23 23 23 23 23 23	59
	Totals.	1288 1687 1787 1787 1889 1889 1889	285
Total.	Females.	1001	146
	Males.	122224 12820 20	139
			•
		• • • • • • • • • • • • • • • • • • •	٠
		toxii	
		1. Traumatic 2. Senile 2. Senile 3. With cerebral arterioselerosis 4. General paralysis 5. With cerebral syphilis 5. With brain tumor 7. With brain tumor 8. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra 12. With other somatic diseases 13. Manic-otpressive 14. Involution melancholia 15. Dementia præcox 16. Eparanoia and paranoic conditions 17. Epilepto 18. Psychonouroses 19. With Insychopathic personality 19. Withlipsychopathic personality 20. With mental deficiency 21. Undiagnosed	•
	HOSES.	erosis rea : rvous c r exoge sases condit	٠
	сно.	sscier is the control of the control	
	Psyci	Traumatic Senile Senile With everbral arteriose General paralysis With everbral syphilis With Drain tumor With brain tumor With brain tumor With other brain or ne Alcoholic Due to drugs and othe With other somatic dis With other somatic dis With other somatic dis With other somatic dis With other somatic dis Figuratic melancholii Involution melancholii Involution melancholii Epileptic Exponentorese With psychopathic per With psychopathic per With grayboropathic per With Josychopathic per Without psychosis	
		al ar al ar al ar al ar al ar al ar al ar al ar al ar al ar ar ar ar ar ar ar ar ar ar ar ar ar	
		tic rebr. rec rec rebr.	[2]
		Traumatic Senie With cereb With cereb General pa General pa General pa With End With Brun With bran With bran With bran Due to dru With other With other With other With other Involution Dementia Dementia Dementia Psychoneu With Involution With Involution With Involution With Involution With Involution Unique With Involution With Involution With Involution With Involution With Involution With Involution With Involution With Involution With Involution With Involution With Involution With Involution With Involution With Involution With Involution With Involution With Involution With Involution With Involution Without ps	Total
		Sen With With White Whit	
		22.2.4.4.4.6.0.1.1.2.2.4.4.2.2.2.2.2.2.2.2.2.2.2.2.2.2	

Table 14. — Psychoses of Readmissions.

Psychoses.	• • • • • • • • • • • • • • • • • • • •			Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic							-	-	-
2. Senile, total		•	•	. :		ا ۽ ۱	1	1	2
(a) Simple deterioration		•	•	1	1	2			_
3. Cerebral arteriosclerosis		•	•		• •	• •	1	1	2
4. General paralysis		•	•			• •	1	1	2
5. Cerebral syphilis		•	•			• •	-	1	1
6. Huntington's chorea		•	•			• •	- 1	- 1	_
7. Brain tumor		•	•				-		-
8. With other brain or nervous disease	es, total	•	•		. :	. :	-	1	1
(1) Tabo-paresis		•	•	-	1	1			_
9. Alcoholic, total				٠ :		. :	3	-	3
(c) Korsakoff's psychosis			•	1	-	1			
(d) Acute hallucinosis			•	1	-	1			
(g) Chronic paranoid			•	1	-	1	1		
Due to drugs and other exogenous	toxins		•				- 1	- 1	-
11. With pellagra			٠				-		-
12. With other somatic diseases, total			•			ا ي ٠	-	1	1
(a) Delirium with influenza .			٠	-	1	1			
 Manic-depressive, total 	• •	•	٠			ا د د	14	19	33
(a) Manic type			•	6	9	15	1 1	- 1	
(b) Depressive type		•	•	5	4	9			
(c) Stuporous type		•	- 1	-	1	1	l i		
(d) Mixed type				2	2	4	}		
(e) Circular type		•	•	1	3	4			
14. Involution melancholia		•	•					1	1
15. Dementia præcox, total					ا <u>.</u> ا	اند	14	20	34
(a) Paranoid type			•	6	7	13			
(b) Catatonic type				1	6	7		1	
(c) Hebephrenic type				7	. 5	12		1	
(d) Simple type			. 1	-	2	2			
16. Paranoia and paranoid conditions			٠,				-	-	-
17. Epileptic			•						-
18. Psychoneuroses and neuroses, total				٠.	• •	. :	2	-	2
(c) Neurasthenic type				2	-	2			
19. With psychopathic personality		•	٠				-	-	_
20. With mental deficiency							2	-	2
21. Undiagnosed		•	•				1	-	1
22. Without psychosis, total			•	٠:		· ;	1	-	1
(e) Mental deficiency without psy	ycnosis	•		1	-	1		i	
Total							40	46	86
Total					1		· 40	40 1	80

Table 15. — Discharge of Patients classified with Reference to Principal Psychoses and Condition on Discharge.

NE.	.alstoT	1111111111111111111111	-
Not Insane.	Females,	11111111111111111111111	ı
No	Males,	1111111111111111111	-
ED.	Totals.	100-00-111-100-400-1-111	29
Unimproved.	Females.	1	15
U'n	Males.	18 20	14
	rotals.	1014-101 1-5-1 1-5-0-5 1-0-0-4 1-1	86
IMPROVED.	Females.	1100111001110000111111	43
In	Males.	11111211181111011611888411	22
D.	Totals.	111:11:124-53%	99
Весоуевер.	Females.	111111111111111111111111111111111111111	31
RE	Males,	110011711111111111111111111111111111111	35
	Totals.	1454411-8808880-41488811	194
Total.	Females.	101445 01 1 1 1 1 1 1 1 1 1	68
	Males.	11.65.00.00.00.00.00.00.00.00.00.00.00.00.00	105
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		scasc ous_i	
	SES.	is s dis s a lity	
	СНО	leros rea rea rex rex rex rex rex rex rex rex rex rex	•
	Psychoses.	ilisi ilisi r nei r nei r nei othe nolia nolia	٠
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		POSCONDA ALEMANDES	
		22.0.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.	

Table 16.—Causes of Death of Patients classified with Reference to Principal Psychoses.

1	ا ر	Totals.	11111111111111	1111111	1111
	WITH PELLAGRA.	Females.	111111111111	1111111	1 1 1 1
	PEL	Males.		1111111	1 1 1 1
		Totals,	1:1-:1:1-:	100111111	11-1
	агсоногіс.	Females.	1 1 1 1 1 1 1 1 1 1	1-111111	11-1
	ALC	Males.	11111111	160111111	1111
	ER US	Totals.	11111111	H1H11118	1111
	WITH OTHER BRAIN OR NERVOUS DISEASES.	Females.	111111111		1111
		Males.	111111111	1111111	1111
╢.	H :	Totals,		1-111111	111-
Psychoses.	WITH CEREBRAL SYPHILIS.	Females.	111111111	1111111	111-
Psyc	CEI	Males.	111111111	1-111111	1111
İ	B. r.	.zlatoT	111111111	1111111	1111
	GENERAL PARALYSIS	Females.	111111111	1111-111	1111
	GE	Males.	111111111	11119111	1111
	S Y L	Totals.	111111111	18111111	1-11
	WITH CEREBRAL ARTERIO- SCLEROSIS.	Females.	1111111111	11111111	(=11
	CE	Males.	[]][][][]	10111111	1111
		Totals.	1-1111111	10111111	11-1
	SENILE	Females.	1-1111111	1-111111	11-1
	20	Males.	111111111	110111111	1 1 1 1
		Totals.	1-2-1-271	-8112	
	Total.	Females.	4-04-1-104-	-=-	-00-
		Males.	1111414101	100	1111
)ватн.		reases. the second seco	stem. ilis: tre mania¹ insane:	System.
	CAUSE OF DEATH.		General Diseases. Carcinoma of intestines Carcinoma of rectum Carcinoma of rectum Carcinoma of stomach Carcinoma of uterus Exophthalmic goitre General septicæmia Pullagra Pulnomary tuberculosis Sudden death from natural causes ¹	Abseess of brain. Cerebral hemorrhage. Cerebral hemorrhage. Exhaustion from seute man General paralysis of insane Ottis media, acute Skatus epilepticus. Tabo-paresis.	Respiratory System Acute bronchitis Broncho pneumonia Lobar pneumonia Pulmonary embolus

111111	1-1	1 1 1 1	ı	63
111111	1 1	1111	1	67
111111	1 1	1111	1	1
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1111-11	1 1	1111	1	4
1-11111	1 1	1111	ī	2
1111111	1 1	1111	1	က
1-11111	i i	1111	1	67
1-01111	11	1111	J	10
11-11-11	1.1	1111	ı	67
11111	1.1	1111	1	က
111111	- 1	1111	ı	12
1 1 1 1 1 1	- 1	1111	ı	23
111111	1 1	1111	ı	10
6641111	1 1	1111	-	24
8841114	1 1	1111	1	14
111111	1 1	1111		10
011111	1 1	67	2	21
-111110	1.1	1111	1	2
111-1	1 1	63 1	23	41
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ystem sis	stem.	Genito-urinary Syste Chronic cystitis Nephritis, chronic interstit Nephritis, chronic parench Uremic coma	Skin.	
ry Sileros	e Syris	e int	s fo s	
ulato prioscopisto polisto polisto christiati	Digestive System. Acute enterocolitis . Intestinal obstruction .	Genito-urinary Syste ic cystitis ritis, chronic intersti- ritis, chronic parench ic coma	$ \begin{array}{ccc} Diseases \ of \ Skin. \\ {\rm Gangrene} \ of \ foot \end{array}.$	
Cire arte em thre thre ditis, itis, itis,	Digtero	cystic s, ch s, ch	Dis e of	_
bral bbral bbral locar al re card	te en stina	Gonic hriti hriti mic	gren	Total
Circulatory System. Corebral arterioselerosis Corebral embolism Corebral thrombosis Endocarditis, chronic Mitral regurgitation Myocarditis, acute Myocarditis, chronic	Acu Inte	Chr Nep Nep Uræ	Gan	

¹ From coroner's certificate.

Table 16. — Causes of Death of Patients classified with Reference to Principal Psychoses — Concluded.

	Y. Y	Totals.	TITTE THEFT	1111
	WITH MENTAL DEFICIENCY.	Females.		1 1 1 1
	WITH	Males.	1111111111 (-111111	1111
	HO-	Totals.	11:11:11=1 1:11:11:1	1111
	WITH PSYCHO- PATHIC PERSONALITY.	Females.		1111
	WITH P.	Males.	() () () () () () () () () () () () () (1 1 1 1
	:	Totals.		1111
	EPILEPTIC.	Females.		1111
	INVOLUTION PERENTIA EPILE	Males.	1111111111 11111	1111
		Totals.	[[[[]]]]]	HH
HOSES		Females.	111111111111111111111111111111111111111	11
Psyc		Males.	111111101 1111111	1111
		Totals.	11-111111 111111	1111
		Females.	11-111111 111111	-1111
		Males.		1111
	VE.	Totals.	ान(नानाना । । । । । । ।	1111
	MANIC-	Females.	11-111111 111111	1111
	MANIC- DEPRESSIVE.	Males.	IIII elelel lelellii	1111
	C S.	Totals.	ellieliel IIIIell	1111
	WITH OTHER SOMATIC DISEASES.	Females.		1111
	WIT S(DI	Males.	11111111	1111
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	оғ Dеатн.		Disenses. il causes! s System. ania!	ory System.
	OF D		l Disenses Inal cause us System mania.1	tory S
	CAUSE		General General satines and mach runs and runs and runs and runs in runs and runs and runs are philis acute n acute runs	Kespirat onia . olus .
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			Carcinoma of intestines Carcinoma of intestines Carcinoma of rectum Carcinoma of stomach Carcinoma of stomach Carcinoma of teetus Epithelioma of thead Exophthalmic goitre General septicemia Pulmonary tuberculosis Sudden death from natural causes Lorebral hemorrhage Cerebral hemorrhage Cerebral hemorrhage Cerebral caustysis of insane Otitis media, acute Citis media, acute	Kespn Acute bronchitis Broncho pneumonia . Lobar pneumonia . Pulmonary embolus .
		1	COCCEECHE ACCECCO	AHHA

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1111111	1 1	1111	1	1
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111111	1 1	1111	1	-
111111	1 1	1111	ı	-
111111	1 1	1111	ı	1
111111	1 1	1111	1	-
111111	1 1	16/11	1	12
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11111	1 1	1-11	1	4
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rteri mbo hron tis, c rrgit, is, ac	roco obst.	stiti chrc chrc ma	of fo	
ral a ral el ral tl ardi regr urdit	ente inal	ic cy itis, itis, ic co	ene	Total .
Circulato Cerebral arteriosclerosis Cerebral embolism . Cerebral thrombosis . Endocarditis, chronic Miral regurgitation . Myocarditis, acute . Myocarditis, chronic	Dige Acute enterocolitis . Intestinal obstruction	Gentio-urin Chronic cystitis Nephritis, chronic intersti Nephritis, chronic parencl Uræmic coma	Gangrene of foot	Ţ
SERECO	ΑŢ	OZZD	\mathcal{D}	

¹ From coroner's certificate.

Table 17.— Age of Patients at Time of Death classified with Reference to Principal Psychoses.

1	1	.crma	11191118=11=111111111	0 [
	44.	Totals.		2 10
	40-44.	Females.		
		Males.	[
		Totals.	111411111414101411111	9
	35-39.	Females.	111111111111111111111111111111111111111	
		Males.	1116111111116111611111	es .
		Totals.	1:1:1:1:1:1:1:1:	eo .
	30-34.	Females.	11111111111111111111111111111	7
		Males.	111111111111111111111	-
,ń		Totals.	111111111111111111111111111111111111111	70
YEARS	25-29.	Females.	tititititititettettitt	2
Y	81	Males.	111111111111111111111111111111111111111	80
		Totals.	11111111111111111	-
	20-24.	Females.	1111111111111	
	73	Males.	1111111111111111111111	. 1
		Totals.	11111111111111111111111	1
	15-19.	Females.	11111111111111111111	1
	15	Males.	1111111111111	1
		Totals.		1
	UNDER 15.	Females.		1
	UND	Males.	11111111111111111111111	1
		Totals.	12421	111
	TOTAL.	Females.	154001100010000011111111	52 1
E	o.T.	Males.	140001104114014111111	59
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		πô (nous	
		SYCHOSES.	selerosis	·
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			atic rebr. I par rebr.	tal
			Traumatic Senile With cerebral arteriosclerosis With cerebral syphilis With cerebral syphilis With thurtington's chorea With Huntington's chorea With brain tumor With other brain or nervous Alcoholic Due to drugs and other exog With pellagra With pellagra Muith citer somatic diseases Manic-depressive Involution melancholia Dementia precox Dementia precox Exphoneuroses Exphoneuroses Exphoneuroses With psychopathic personali With mental deficiency Undiagnosed With mental deficiency With mental deficiency With mental deficiency	Total
			2. Series of the control of the cont	
.1			1.9.6.4.6.6.9.9.9.1.1.1.6.9.9.9.1.2.2.9.9.1.2.2.9.9.1.2.2.9.9.1.2.2.9.9.9.9	L

Table 17. — Age of Patients at Time of Death classified with Reference to Principal Psychoses — Concluded.

	OVER 80.	Females. Totals.	144111111111111111111111111111111111111	10 21
	OVE	Males.	15811111111111841	11
İ		Totals.	100-11111111111111111111111111111111111	01
	75-79.	Females.	14611111111111111111	9
	1	Males.	[HQ]]]]]]	4
		Totals.		14
	70-74.	Females.	1-011111-11111-11111	5
		Males.	14-10	6
		Totals.	[800] [4] [[4] [[40] [[[1] [[[[[[[[[[[[[[[9
	65-69.	Females.	[1][[[[]]]	4
	9	Males.	[0]	9
L DARG.		Totals.	11-111111-01-1111-11	∞
1	60-64.	Females.		rc.
	9	Males	11111110001111111111110	ಣ
		Totals.	1111011101144101111111	6
	55-59.	Females.	111111111111111111111111111111111111111	ico
	2	Males.		4
		.slatoT	11-4-11-11111-11111	∞
	50-54.	Females.	Heed Hell	4
	L5	Males.	111∞1111111111	4
-		Totals.	11199191191919111111	9
	45-49.	Females.	1111-11-11-11-11-11-11-11-11-1	က
	4	Males.	11(=11111111=1=1111111	က
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			1. Traumatic 2. Sonile 3. With cerebral arterioselerosis 4. General paralysis 5. With cerebral syphilis 6. With fundington's chorea 7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra 12. With other somatic diseases 13. Manic-depressive 14. Involution melancholia 15. Dementia præcox 16. Dementia præcox 17. Epileptic 18. Exychoneuroses 19. With psychopathic personality 20. With mental deficiency 21. Undiagnosed 22. Without psychosis	Total
			raur raur raur raur raur raur raur raur	Ĥ

Table 18. — Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses.

1	ا ي و ا	Totals.	
	20 AND OVER.	Females.	111111111111
	80	Males.	
		Totals.	
	15-20.	Females.	111111111111111111111111111111111111111
	-	Males.	
		Totals.	1-111111011101-111111111
	10-15.	Females.	
RS.		Males.	1-1111110111011111111111111111111111111
YEARS.		Totals.	111111111111111111111111111111111111111
·	5-10.	Females.	
		Males.	111111111111111111111111
		Totals.	12 1 1 1 1 1 1 1 1 1
	3-4.	Females.	101-1111-1111-101111111 0
		Males.	1-1111111111111111111111111111111111111
		Totals.	1400-1111111111111111111111111111111111
	1-2.	Females.	100-11111111110111111111111111111111111
		Males.	114011111111111111111111111111111111111
		Totals.	1000-111-111111111111111111111111111111
	8-12.	Females.	11-11-11-11-11-1-1-1-1-1-1-1-1-1-1-1-1-1
		Males.	0
		Totals.	100001111111111111111111111111111111111
si.	4-7.	Females.	110011111111111111111111111111111111111
Months.		Males.	18 16 11 11 11 11 11 11 11 1 1 9
Mo		Totals.	124-12 1-1
	1-3.	Females.	
		Males.	100-11-11-11-11-1-1-1-1-1-1-1-1-1-1-1-1
	38 1.	Totals.	27 1 1 1 1 2 2 2 2 2 2
	LESS THAN 1.	Females.	
	-	Males.	124-0111114-1111-11 5
	i	Totals.	122 124 125 127 127 127 127 127 127 127 127 127 127
	I OTAL.	Females.	1742 1 1 2 2 2 2 1 1 2 2 2 2 2 2 2 2 2 2 2
È	-	Males.	14000011014114101411111111 60
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Table 19. — Family-care Department.

		Males.	Females.	Totals.
Remaining Oct. 1, 1920		1	9	10
Committed within the year	.	-	3	3
Whole number of cases within the year	.	1	12	13
Dismissed within the year	.	1	2	3
Returned to institution	.	1	1	2
Discharged	.	-	-	
Died	.	-	1	1
Escaped	-	-	-	_
Remaining Sept. 30, 1921		-	10	10
Supported by State		-	8	8
Private	.	-	2	2
Self-supporting	.	-	_	_
Number of different persons within the year .	.	1	12	13
Number of different persons admitted	.	-	3	3
Number of different persons dismissed		1	2	3
Daily average number	.	. 167	8.526	8.693
State	.	_	6.526	6.526
Private	.	. 167	2.00	2.167
Self-supporting		_	-	_



The Commonwealth of Wassachusetts

ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1922

DEPARTMENT OF MENTAL DISEASES



Publication of this Document

APPROVED BY THE

COMMISSION ON ADMINISTRATION AND FINANCE

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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

	TR	USTEI	ES.	
Mr. HARRY L. HOWARD				Hatfield.
Mr. Joseph W. Stevens, Secretar	у.			Greenfield.
Mrs. Emily N. Newton . Miss Carloine A. Yale				Holyoke,
Miss Carloine A. Yale .				Northampton.
LUKE CORCORAN, M.D., Chairman	n.			Springfield.
Mr. CHARLES W. KING				Chicopee Falls.
Mr. Edward C. Gere				Northampton.
	DEN	T OF	FICEI	RS.
JOHN A. HOUSTON, M.D.	•			. Superintendent.
EDWARD W. WHITNEY, M.D			•	. Assistant Superintendent.
ANGELA BOBER, M.D				. Senior Assistant Physician.
ORLAND R. BLAIR, M.D				. Assistant Physician.
				. Assistant Physician.
				. Assistant Physician.
HARRIET W. WHITNEY, M.D				. Physician to Out-patient
				and Social Service De-
				partments.
LUCIEN H. HARRIS, D.D.S		. •		. Dentist.
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NONRE	SIDI	ENT (OFFIC	ERS.
Miss Eva L. Graves	SIDI	ENT (FFIC	EERS. . Chief Clerk and Treasurer
	SIDI	ENT (FFIC	
Miss Eva L. Graves				. Chief Clerk and Treasurer (office at the hospital).
Miss Eva L. Graves HEADS				. Chief Clerk and Treasurer (office at the hospital).
Miss Eva L. Graves				. Chief Clerk and Treasurer (office at the hospital).
Miss Eva L. Graves HEADS				Chief Clerk and Treasurer (office at the hospital).
Miss Eva L. Graves HEADS Mr. L. W. Sinclair Mr. Frank W. Smith Mr. George B. Allen	O F	DEPA	RTMI	. Chief Clerk and Treasurer (office at the hospital). ENTS Engineer.
Miss Eva L. Graves HEADS Mr. L. W. Sinclair Mr. Frank W. Smith Mr. George B. Allen Miss S. E. Warren	O F	DEPA	RTMI	. Chief Clerk and Treasurer (office at the hospital). ENTS Engineer Steward.
Miss Eva L. Graves HEADS Mr. L. W. Sinclair Mr. Frank W. Smith Mr. George B. Allen	O F	DEPA	RTMI	Chief Clerk and Treasurer (office at the hospital). ENTS. Engineer. Steward. Farmer.
Miss Eva L. Graves HEADS Mr. L. W. Sinclair Mr. Frank W. Smith Mr. George B. Allen Miss S. E. Warren	O F	DEPA	RTMI	Chief Clerk and Treasurer (office at the hospital). ENTS. Engineer. Steward. Farmer. Matron.
Miss Eva L. Graves HEADS Mr. L. W. Sinclair Mr. Frank W. Smith Mr. George B. Allen Miss S. E. Warren Miss Lucia Pratt	OF	DEPA	RTMI	. Chief Clerk and Treasurer (office at the hospital). ENTS Engineer Steward Farmer Matron Social Service Worker.
Miss Eva L. Graves HEADS Mr. L. W. Sinclair Mr. Frank W. Smith Mr. George B. Allen Miss S. E. Warren Miss Lucia Pratt	OF	DEPA	RTMI	Chief Clerk and Treasurer (office at the hospital). ENTS. Engineer. Steward. Farmer. Matron. Social Service Worker. Director of Occupational
Miss Eva L. Graves HEADS Mr. L. W. Sinclair Mr. Frank W. Smith Mr. George B. Allen Miss S. E. Warren Miss Lucia Pratt	OF	DEPA	RTMI	Chief Clerk and Treasurer (office at the hospital). ENTS. Engineer. Steward. Farmer. Matron. Social Service Worker. Director of Occupational Therapy.
Miss Eva L. Graves HEADS Mr. L. W. Sinclair Mr. Frank W. Smith Mr. George B. Allen Miss S. E. Warren Miss Lucia Pratt	OF	DEPA	RTMI	Chief Clerk and Treasurer (office at the hospital). ENTS. Engineer. Steward. Farmer. Matron. Social Service Worker. Director of Occupational Therapy.
Miss Eva L. Graves HEADS Mr. L. W. SINCLAIR Mr. FRANK W. SMITH Mr. GEORGE B. ALLEN Miss S. E. WARREN Miss LUCIA PRATT CONSULTING BOARD	OF	DEPA	RTMI	Chief Clerk and Treasurer (office at the hospital). ENTS. Engineer. Steward. Farmer. Matron. Social Service Worker. Director of Occupational Therapy.
Miss Eva L. Graves HEADS Mr. L. W. SINCLAIR Mr. FRANK W. SMITH Mr. GEORGE B. ALLEN Miss S. E. WARREN Miss LUCIA PRATT CONSULTING BOARD E. A. BATES, M.D.	OF	DEPA	RTMI	Chief Clerk and Treasurer (office at the hospital). ENTS. Engineer. Steward. Farmer. Matron. Social Service Worker. Director of Occupational Therapy. NS AND SURGEONS. Springfield.
Miss Eva L. Graves HEADS Mr. L. W. SINCLAIR Mr. FRANK W. SMITH Mr. GEORGE B. ALLEN Miss S. E. WARREN Miss LUCIA PRATT CONSULTING BOARD E. A. BATES, M.D. E. W. BROWN, M.D.	OF	DEPA	RTMI	Chief Clerk and Treasurer (office at the hospital). ENTS. Engineer. Steward. Farmer. Matron. Social Service Worker. Director of Occupational Therapy. NS AND SURGEONS. Springfield. Northampton.
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The Commonwealth of Passachusetts

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital respectfully submit their report for the year ending Nov. 30, 1922.

The superintendent's report will tell of the activities of the hospital and the treasurer's report will show in detail its financial affairs.

A daily average number of 1,040.42 patients were maintained at a weekly per capita cost of \$6.0033. This does not include the full cost of maintenance, because neither taxes nor interest on the Commonwealth's investment are reckoned as a part of the cost, nor the value of the milk, meats and vegetables produced on the farm.

The receipts from board of patients and from sales and other sources amounted to \$85,355.66.

The superintendent's monthly reports to our Board have been a frequently repeated tale of the difficulties and embarrassments of caring for a steadily increasing excess of patients with a fairly constant deficiency of officers and employees. We learn that neighboring States have had the same trouble in getting employees and in keeping them in the service. These conditions seem to be due largely to scarcity of labor and to the ease of obtaining employment in other pursuits that are more lucrative and less unattractive. The fact itself that so few apply for positions in our service implies that wages and living conditions offered by the hospital are not attractive enough, and this applies to all groups and grades in the service. Compensation should be sufficiently attractive to enable Massachusetts to make a selection from qualified applicants instead of having to accept only those who cannot get service elsewhere.

The annual reports of our Board over a long period of years have called attention to our need of more room for the accommodation of the patients from our district. Not to repeat the facts that emphasize this need, we refer to the superintendent's report, and in accordance with his recommendation respectfully request the Legislature to make an appropriation for the erection of two dormitories, one for men and one for women. The cost of each of these, based on estimates submitted by several contractors, should be from \$105,000 to \$110,000, including furnishings and equipment.

The hospital was unfortunate in losing by fire the recreation pavilion for men, the gift of Mrs. James in memory of Mr. L. D. James, a former member of our Board. This building was of immeasurable benefit to the patients who used it in large numbers every day. It was the only place where the men could go for their daily smoke. Its loss is seriously felt. Because of its great benefit to the hospital and as an expression of gratitude to the donor, we ask for an appropriation to rebuild it. Its destruction came after the date for submitting estimates to the Departments had passed, consequently no estimates of the cost of rebuilding have been made, but we think it can be replaced for about \$7,500.

A house and barn with a small lot of land have been offered for sale. The hospital owns the land on all sides of it and also the houses adjacent. It would be especially desirable for the hospital to own it, both to increase our accommodations for married employees and to prevent its passing into the hands of some owner other than the hospital. We recommend an appropriation of \$5,000 with which to purchase it and put it in repair.

There are several matters that, if not of immediate urgency, may become so soon, and we now call them to the attention of the supervising departments for future consideration.

The building now used for our fire-fighting apparatus and for some of our automotive vehicles is not large enough, nor of proper construction, and is of unsatisfactory design, being adapted to its present use from an old wagon house and cart shed. We are adding more trucks and extension fire ladders to our equipment and need more space, better-placed openings, and facilities for drying the hose after fire drills. The building

is of wood. A new one should be of brick with cement floors and partitions and with much larger floor space.

We have insufficient room for housing our employees. Quite extensive additions to our living accommodations will soon be required.

Institutions that are isolated or not near one of the larger cities where employees may find things "going on" during their hours off duty have found that a common meeting place on the institution grounds is instrumental in making for the comfort of employees, and so contributes to longer periods of service. At some time, sooner or later, this matter will force itself upon our consideration. The club house that was destroyed partly answered such a purpose at our institution in that it afforded a place where the men could meet when off duty, but there is no such place for the women, and, what is of more importance, there is no place here where the men and women may meet each other.

Our stable for driving horses will soon not be needed for that purpose, if, indeed, the time has not already come when it had better be converted to other uses. Horses are being replaced largely by automobiles, and the two or three which are now kept in the building in question can be cared for at one of the other farm buildings.

The question then arises whether the three matters last mentioned cannot be considered together. We require more room for employees; a community house is desired; before long the stable will require conversion to other uses. Why not make a community house of the ground floor of the stable and convert the second floor into living apartments for employees?

HARRY L. HOWARD.
JOSEPH W. STEVENS.
EMILY NEWTON.
CAROLINE A. YALE.
LUKE CORCORAN, M.D.
CHARLES W. KING.
EDWARD C. GERE.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

The superintendent's report of the operations of the hospital for the statistical year ending Sept. 30, 1922, and the fiscal year ending Nov. 30, 1922, is respectfully submitted for your consideration.

On Oct. 1, 1921, there were 1,181 patients under our care, of whom 987 were in the hospital, 10 in family care and 184 on visit or escape.

The admissions for the year numbered 454, and the dismissals 346, leaving 1,289 on our books at the end of the year. Of those remaining, 1,060 were in the hospital or in family care, the others being away from the hospital "on visit."

The total number under care and observation during the year was 1,635, which was larger by 46 than the number last year.

The daily average number in the hospital during the year was 1,040, an increase of 38 over the daily average number of last year.

Of the admissions, 350 had never been committed to another hospital for the insane (they are the "first admissions" in the statistical tables accompanying this report); 170 were committed under the ten days' temporary care provision; and 39 were committed for thirty-five days' observation.

A large proportion of the first admissions, nearly two-thirds, were of foreign parentage and 42 per cent were of foreign birth, their places of nativity being as follows: 35 were born in Ireland, 21 in Canada, 16 in Poland, 13 in Italy, 12 in England, 11 in Russia, 8 in Germany, 7 in Austria, 6 in Greece, 4 in Sweden, 3 in Scotland, 2 in France, 2 in Switzerland, and 1 each in Asia Minor, Belgium, Bohemia, China, Lithuania, Syria and Turkey.

Many aged persons were admitted, 38 being over seventy and 13 of these over eighty years of age. The youngest patient admitted was fourteen years of age, an imbecile, and the oldest was eighty-nine. The average age of the first admissions was forty years, and this figure would be several years larger if all admissions were considered.

The predominating psychoses of patients admitted were as follows: dementia præcox, 139; manic-depressive, 73; senile and cerebro-arteriosclerotic psychoses, 53; general paresis and cerebral syphilis, 22.

There has been a marked increase in the number of alcoholic psychoses among the first admissions this year over the figures for the past few years. The percentages of these among the admissions of the past six years have been as follows:—

						1	Per Cent
1917			•				19.9
1918							9.5
1919							7.7
1920							6.9
1921							5.6
1922							10.0

From 1918 to and including 1921 there was a steady decrease in the number of such cases admitted, but during the past year they numbered almost twice as many as in 1921. This increase, so far as we can judge, is due to laxity in enforcement of the Federal laws, thus enabling those who wished for alcoholic drinks to obtain them easily.

With increasing experience in the diagnosis and treatment of pellagra it has become more easily recognizable than formerly. There has been no time in recent years when there were not several cases in the hospital. This year two cases were among the admissions.

The number of cases dismissed was 346; of these, 197 were discharged, 24 were transferred to other hospitals, and 125 died.

The discharged cases were classified as follows: 62 recovered, 81 improved, 34 unimproved, and 20 as not having a clearly marked psychosis, these latter including cases of mental deficiency without psychosis, psychopathic personality without psychosis and cases admitted under the thirty-five days' observation act.

Of those who died, the principal causes of death were cerebral hemorrhage in 32, general paresis in 16, chronic nephritis in 12, lobar pneumonia in 8, pulmonary tuberculosis in 4, carcinoma of stomach in 3, carcinoma of uterus in 3, cerebral thrombosis in 3, pellagra in 2. Sixty-seven of them were over sixty years of age, 16 being over eighty. Twenty-five had been here less than a month, having some serious physical illness on admission in addition to their psychosis. One had been a resident of the hospital for thirty-three years and 1 for a period of forty-three years.

Routine medical attention has been given to all, and special attention to the newly admitted patients, such as physical examinations, vaccinations, urinalyses, blood and spinal fluid examinations, care of teeth and the like.

In all cases, 207 in number, who had a history of syphilis or whose cases seemed in any way doubtful, a Wassermann reaction was done on the blood, and in all suspected cases on the spinal fluid, with the result that the blood was found positive in 21 cases and the spinal fluid positive in 15 cases. Treatment was given to all of these except those who seemed quite beyond the hope of benefit. The number of patients given intensive treatment was 13, to whom were given 348 treatments. It is not possible to speak hopefully of results, as only one of the cases treated seemed to derive any appreciable benefit therefrom, and his was not a syphilitic psychosis but a psychosis, probably alcoholic, in a patient who had syphilis. In the light of our present experience it seems fair to believe that in the majority of syphilitic psychoses the brain and other nervous tissues have been damaged beyond repair by the time the patient's condition is recognized and commitment instituted, and that for the present not much more can be hoped for than the arrest of the disease process if even that may be expected.

The teeth of all patients admitted were inspected and treated by the dentist as soon as possible after admission. A brief report of the dentist's operations is as follows: 704 teeth were extracted, nearly 1,400 fillings of various sorts were made, besides much work on plates, bridges and the like.

The training school for nurses has carried on in a routine way with a reduced number of pupil nurses. The entering class numbered 6.

Reports from the affiliating school at Tewksbury are very

commendatory of our nurses who have gone there for their twelve months' affiliation, and the pupils who have gone there have spoken, in turn, in highly complimentary terms of the advantages offered and of their reception as members of the school.

This present year we have begun a systematic course of instruction to the attendants, to be completed within the year and to include rules and regulations, care of the ward, of hospital property and of patients' clothing, ethics, elementary nursing, types of insanity and general care of mental cases, accidents and emergencies, care and serving of food, hygiene and sanitation, hydrotherapy and occupational therapy.

This course is not intended in any sense to compete with the training course for the nurses, nor to offer a substitute for it, but is given in the hope of raising the standard of care of the patient and to instill in the attendant the general principles of nursing, especially of the insane. All in the ward service who are not taking the full course of training are expected to attend this course for attendants.

Despite frequent advertising and repeated applications to the employment bureaus, we have been unable to fill our quota of nurses and attendants. The quota of women nurses allowed us last year was 58, but the average number on the pay roll during the year was only 31. We have been fortunate in having patients comfortable and quite trustworthy, to help in the care of the wards and of other patients. Nine of them are now acting very acceptably as nurses and to their own pleasure and benefit, and four have done so well that they have been put on our pay roll.

Classes in sociology came from the neighboring colleges as in previous years for talks on the care and treatment of our patients and for an inspection of the various activities of the institution.

Several talks on subjects related to our specialty were given by the superintendent to welfare clubs in communities in our neighborhood.

For the fourth season, a class from the Smith College School for Social Work came two afternoons each week during August for a course of lectures and clinical demonstrations in psychiatry.

Perhaps the most noteworthy fact to be had from the figures

representing the movement of population is the steady increase in the number of patients to be cared for. Despite the large number (1,331) transferred to other institutions to relieve our overcrowding during the past fifteen years, the number remaining each year has far exceeded our capacity.

The Department of Mental Diseases estimates our capacity at about 820, which is considerably larger than our estimate. The numbers we have been requested to maintain during each of the past five years have been, consecutively, as follows: 980, 990, 1,000, 1,010, 1,025, and for the coming year we are asked to make estimates for the maintenance of 1,060 patients. As a result of this constantly increasing growth in numbers. we have been seriously handicapped in the care of our patients. We cannot transfer our most troublesome patients, consequently a larger proportion of those who remain are of the disturbed class. The wards where easily distracted patients are cared for should accommodate only a very limited number of patients, but now our wards are occupied by anywhere from 40 to 60 patients, and many of these are obliged to sleep in corridors and day spaces. Naturally and inevitably they have an unfavorable influence on each other.

Fortunately, we have had no epidemic nor many serious cases of illness during the year, yet the year has been an unusually busy one for our medical staff. We have broadened the field of our activities, as noted in our report of last year and as appears later in this report. This work, additional to the routine of caring for the large number of new admissions, which alone is sufficient to keep busy a full staff of physicians, has devolved upon a staff practically half the quota our number of patients calls for.

The medical work in one of our State hospitals is not to be measured so much by the total number of patients maintained as by the number of admissions and discharges. The patients who make up the permanent portion of our population require comparatively little medical attention beyond the supervision of their daily activities, their recreation and employment and the occasional recording of their status. It is the newly admitted patient who requires the special attention of physician, nurse and recording clerk. The physical and mental examinations, continuous observation and study, repeated dictations of

case histories, frequent interviews with relatives, the steady stream of correspondence concerning them, in addition to the thousand and one routine matters in the general work of the day, not to ignore the night calls, make up a course of duties that easily fills a sixteen-hour day.

With 225 new patients and as many old ones assigned to each of our assistant physicians, it is due them to say that they "have been on their job" every day of the year. We need more physicians but cannot find them. None are tempted to apply for the salary and accommodations offered.

Reference to the report of our social service and out-patient work will show that our assistant who has that special line of duties has likewise been busy.

The above observations are equally pertinent to our clerical staff which is swamped with the paper work made necessary by so many changes in our daily population. The steady flow of notices, tabulations, reports, record writing and correspondence fills all their time, and there is a seemingly endless increase in the multiplicity of reports requested, both State and Federal. The farm accounting alone has grown to such proportions as to require practically the full time of one clerk.

The out-patient and social service department has been more active than ever before. When it was organized, eleven years ago, one officer devoted only part time to the service. The work has increased and its scope has widened to such a degree that three persons are now required on full-time service, — a physician, a social worker and an assistant psychologist.

The work naturally falls into three divisions, — first, the clinics: to these come persons of their own initiative for advice, and others referred by physicians, courts and social agencies, for examinations; second, social work: this includes the supervision of patients on visit and in family care, the investigation of the previous history, home conditions and environment of patients recently admitted to the hospital, the care incident to preservation of their property and other interests, and also the welfare of the family at home; and third, the school clinic work: the examination of retarded school children.

The activities of the department are widespread and varied, requiring more time than needed by hospitals in more closely

populated districts because of the long distances to be traveled and the isolated districts to be visited.

The increasing request for our services is proof of the usefulness of this department and of its appreciation by the public.

Clinics have been held one day each week, in turn, at the House of Mercy in Pittsfield, at the Franklin County Hospital in Greenfield, and at the rooms of the boards of health in Springfield and North Adams. Consultations at our own hospital may be held on any day by appointment, and are of almost daily occurrence.

A total of 1,018 persons were seen at these clinics. Of these, 471 were patients away from the hospital on visit who came to report or for advice. Conferences are frequent with the family physician and the employer in these cases in order that they may be made fully acquainted with the patients' peculiarities. In this way supervision is kept over the physical and mental health of the patient, his occupation and manner of living. To these clinics also came relatives of 396 patients still resident at the hospital, to inquire about their condition and to send messages to them. Opportunity is thus afforded to prepare the family for an early return of the patient to his home through the suggestion of certain adjustments in his habits of living, of his surroundings and of carefully supervised employment. This service is much appreciated by the relatives, many of whom cannot afford the long journey to the hospital. Confidence in the hospital and a cordial feeling in the community toward its officers have been engendered, and the readjustment of the patient to life in the community is thereby made more easy.

One hundred and fifty-one persons came to the clinics because of mental or nervous symptoms, being referred by physicians, courts, relatives and charitable organizations, and, in some instances, by other patients who had been helped by us. In some of these cases treatment was outlined to be carried out by their own physician, while others were kept under our supervision by reporting regularly at the clinics.

In the school clinics were examined 734 retarded pupils some of whom were referred by superintendents of schools, and others were brought to the clinic by school nurses, social workers, State visitors and charitable organizations, making a total of nearly 800 who were examined. Of these, 266 were found to be definitely feeble-minded and 149 to be retarded, — border-line cases. Quite a large number of the retarded pupils were not intellectually deficient, having fallen behind their school work from various causes, as defective sight or hearing, or from inability to attend school because of illness, or because of language difficulty in children of foreign birth.

The provisions of law requiring psychiatric examination of persons indicted for capital offences and those known to have been convicted previously of a felony have added to our labors to an appreciable degree, the superintendent and assistant superintendent having seen about a dozen cases, each case requiring, in travel and examination, a half day's time.

An extension of our extramural work has been undertaken that is worthy of recording here, — namely, the examination of defective delinquents at the juvenile court in Springfield. At the request of Judge Heady, one of our assistants has been devoting each Friday to the examination of delinquents brought before his court. Judge Heady has very kindly expressed his appreciation of this work in a letter to me from which I may quote, as follows: —

My probation officers and I have been for a long time deeply appreciative of the effective co-operation which we have received from you, and through you from some of your excellent staff of assistants, in the administration of the problem cases that continually arise in the great volume of cases that pass through our court.

During the latter part of the year 1922, the responsibility came to the court of administering the highly important law with reference to defective delinquents. With Dr. Edward Whitney, you have assisted the court in each case that has arisen under that procedure. No other assistance could have been so satisfactory to the court, under the double responsibility to prisoner and to community, entailed by that statute.

Most important of all has been your assistance in establishing the long-desired psychiatric clinic in connection with my juvenile court. Last summer Dr. Victor Anderson, long in psychiatric service with the Boston court, addressed a meeting, attended by doctors and social workers, in my juvenile court room, with reference to a psychiatric clinic in Spring-field, especially in connection with the juvenile court.

When I appealed to you, you willingly provided the services of Dr. Harriet Whitney, who holds a psychiatric clinic at my court each Friday, the juvenile court day. Her work is of immeasurable value to the court and to the community.

By such a spirit of co-operation on your part, your hospital does a very great service to the district in which it is situated.

Work and play, of inestimable value in the treatment of mental cases, have been used liberally. Patients who are physically strong have been employed in every department of the institution and in all of our activities. To enumerate all of the latter would be to duplicate what has been written in previous reports.

For the convalescents and those needing distraction or encouragement, the occupational room has furnished various employments under trained workers, — basketry, needlework, rug making, weaving, painting, pottery and the like. In the industrial rooms are made articles of clothing, underwear and outside dresses, shirts and overalls, mattresses and tinware; furniture is repaired, chairs are cane-seated and boots and shoes are mended.

Seasonable sports have been held indoors and out of doors throughout the year. Each holiday has had its special festivities: Washington's birthday, a masquerade ball; St. Patrick's day, a fancy dress ball; Fourth of July, sports, contests and a parade; Hallowe'en, a party of games appropriate to the evening; Thanksgiving, a special dinner with a dance in the evening; Christmas, a turkey dinner and in the evening a concert and distribution of gifts from an illuminated tree. During Christmas week there was a full program, as follows: Sunday, religious services forenoon and afternoon; Monday, Christmas dinner and moving pictures in the evening; Tuesday afternoon, a Christmas party with games and "eats;" Wednesday evening, employees' dance; Thursday evening, patients' dance; Saturday evening, concert and reading.

There were during the year 199 assemblies of patients. In addition to those already mentioned were the following: Mass every Lord's day morning, and special Masses at Easter, Christmas and New Year's; religious services for Protestants every Lord's day; moving pictures 53 evenings; dances 26 evenings; a play by students from the Northampton High School, "Her Husband's Wife;" a minstrel show by members of the Northampton Methodist Church; and five concerts by Springfield musicians, one of them by 40 members. Credit is due to Mr. Burton Noble, who provided for these concerts and also made arrangements for frequent religious services by clergymen and singers from Springfield who generously gave their time and services.

The season was an unfavorable one for many of the farm crops. Though the total yield was about the same as last year, less in some crops, greater in others, it was, as a whole, below our expectations.

About 400 more bushels of potatoes than last year were raised, but even this was below our needs and less than the average crop of past years, though a greater acreage was planted. Fewer tons of hay were raised, but a greater yield of corn and of ensilage was had, and the amount of milk produced was larger than the year before though less than our needs. The present production of milk, however, leads to a reasonable expectation that enough will be produced soon to supply our full requirements, the average yield being about 9,000 pounds per cow. One cow had the splendid record of 22,000 pounds for the year, 730 pounds for one week and 111 pounds for one day. She has been admitted to the advanced registry class.

A new silo of 75 tons' capacity was erected to replace two old ones disused.

Extensive work has been done in the way of renewals of equipment and new installations, the principal items of which are recorded here for future reference.

The old line of 4-inch water pipe that was the main source of supply to the institution for domestic uses was replaced by larger pipe; 425 feet of 8-inch pipe, 320 feet of 6-inch pipe and 136 feet of 4-inch pipe were laid, and an additional 6-inch meter was installed. A connection for possible emergencies was made with the 12-inch water main that supplies the fire pumps. This replacement supplies the system for distribution, and increases the pressure on the passenger and food elevators.

A new standpipe for fire protection was erected in the stairway of the third halls, north.

A tunnel of concrete, 4 feet wide by 6 feet high for a distance of 165 feet, and $5\frac{1}{2}$ feet high for a distance of 135 feet, inside measurements, was put in from the heater room just off the boiler room, extending under the foundations and basement floor of the storehouse to the end of the third halls, north, a distance of 300 feet. Through this tunnel were laid a 6-inch steam main, 3-inch steam return lines, water pipes and electric cables to afford a more direct supply to the third halls and Infirmary building.

A small tunnel of concrete, 3 feet by 3 feet inside measurements, was built from the third halls, south, to the fan room of the South Infirmary building, and through this were laid the electric cables and the steam pipes that supply the infirmary for women.

A steam pipe line was laid in a small concrete box from the south end of the home for female nurses, a distance of 446 feet, to the house at the gate occupied by the chief engineer and several married employees.

New electric lighting cables were laid from the engine room through the corridor between the kitchen and bakery to the basement of the administration building to take the place of the original wires laid underground across the back yard thirty years ago.

One of the most important and useful pieces of construction was a new service road several rods to the west of the old road leading from the entrance gate to the rear of the institution buildings. This is wider than the old one which was too narrow for the increased traffic of recent years, and being constructed on a stone foundation will be free from mud and passable on a rainy day.

The following new pieces of apparatus were installed: a feed pump for the boilers, a motor-driven pump for the circulation of hot water, and a brine circulating pump in the cold-storage apparatus room; a shaper in the machine shop; a garment press in the laundry, and a heat-controlling device in Greenhouse No. 2.

A bay window was constructed, enlarging the dining room for officers on the third floor of the administration building.

An air compressor and a portable tar kettle were purchased. These have already proven to be excellent investments in work done on the tunnels and excavation for pipe laying.

Window guards were purchased and placed on the nurses' homes.

Weather strips were placed in the windows of the administration building and of the dormitories for employees.

The tractor was exchanged for one of greater power.

Destruction by fire of our club house for men entailed a serious loss that is being sensed more and more since the patients were deprived of its various uses. Fire was discovered in the early morning hours on Nov. 10, 1922. At that time

the wing containing the bowling alley was not destroyed, but five days later, in the evening, a second fire completed its destruction. It has not been possible to learn the cause of either fire, but there had been no fire in the house on the day of the first one, it is learned, and at that time the wing was thoroughly wet down by streams of water from our hydrants and later by a rainfall. It was thoroughly inspected and examined repeatedly between the dates of the two fires. Many persons believe that they were of incendiary origin.

The club house was erected in 1907 by Mrs. L. D. James in memory of Mr. James, who for a period of twenty-four years was an active trustee of the hospital, deeply interested in its management and welfare, and especially friendly to the patients.

There were rooms for smoking, reading, billiard playing and bowling, and for fifteen years it was in continual use afternoon and evening, by both patients and attendants. It was a most useful adjunct to our hospital, probably contributing more to the enjoyment and contentment of our patients than any one other feature of our equipment.

It was not insured because of the policy of the State not to insure its buildings.

Because of its great usefulness and immeasurable benefit to the patients, and, furthermore, because it was a gift to the hospital which should be perpetuated, it is earnestly hoped that the Legislature will grant an appropriation to rebuild it.

The number of patients maintained by our hospital is steadily increasing despite the many who have been removed to hospitals in the eastern districts in order to make room for our new admissions, and the district served by us is sending us more than we can accommodate. There are at present more than 700 patients in other hospitals who went from here, making with those who are here a total of 1,750 in State institutions whose homes are in our part of the State. Twelve years ago we were told that as soon as the metropolitan district should be taken care of, in a year or two, provision would be made for the care of the insane of the four western counties, but provision at the other end of the State seems never to have caught up with their increasing admissions. If accommodations were provided for the care somewhere in our district of all patients whose homes are here, the rooms vacated in the eastern hospitals would be

available at once for an equal number of patients from their own districts.

Whether all the patients from the four western counties should be cared for at our hospital or under our supervision or in a separate institution under its own management is a matter to be considered seriously and determined by the Department of Mental Diseases. It is quite feasible, with our present heating, lighting, cooking and laundry facilities, to add two more buildings as dormitories, one to the end of the third hall section, north and south, respectively. We had plans made several years ago for such a building for female patients. I recommend your requesting of the Legislature an appropriation for the purpose of erecting at least one building this coming year.

If the hospital is to be enlarged as seems unavoidable, a larger quota of officers and employees will be needed and provision will have to be made for additional living accommodations and also for office room. Our accommodations are inadequate to house properly the employees here at the present time, and we should be seriously embarrassed if the quota of employees allowed us were filled.

Not infrequently an applicant for a position on our staff of subordinate officers refuses to accept it on learning what accommodations we can offer, and occasionally one leaves because of dissatisfaction with the living quarters allowed. Officers worth keeping in the service should be made comfortable in respect to their maintenance.

As for office room, four of our administrative force have to work in an office scarcely large enough for two; two get along in a room not large enough for one; two have desks in the dispensary, and the social worker and assistant psychologist do their work in the office of the assistant physicians. Not one can do his best under these conditions.

Adequate accommodations can be procured either by the erection of a separate office building, which does not seem to be very feasible, or by an addition to the present administration building. The latter proposition would provide both office room and additional living quarters for the subordinate officers.

Our experience has shown that married employees who can live with their families in a cottage near the institution remain longer in our service and with a greater measure of contentment. We have nine cottages for employees. At three of these, accommodations for three more married couples can be made available at small expense.

A cottage surrounded on all sides by land belonging to the institution has been offered for sale. It is desirable that the hospital acquire this, both to increase our housing facilities for employees and to prevent its going into the possession of others.

We are grateful to many friends of the hospital for books, magazines and various gifts, especially at Christmas time. Several gave us money with which to purchase gifts for patients who had no relatives. Mrs. W. T. Parker, Mr. N. Lyman Elmer, Mr. John D. Foley, Mr. John Clancy and Mrs. L. Vernon Briggs made generous contributions of money. Mr. Peter Trebla sent a large contribution of candy and figs, and Tait Brothers again sent us enough ice cream to serve each patient here.

On Dec. 1, 1921, Dr. Orland R. Blair entered our service as junior assistant physician; on June 30, 1922, Miss Lucia Pratt began her duties as social worker, and on Sept. 11, 1922, Miss Miriam Carpenter returned as assistant psychologist to help in the examination of the retarded school children of our district.

Respectfully submitted,

JOHN A. HOUSTON,

Superint endent.

VALUATION.

Nov. 30, 1922.

REAL ESTATE.

			1011								
Land (513 acres)										\$127,553	75
Buildings						•	•			903,822	77
		_			_					\$1,031,376	52
		P	ERSO	NAL	Proi	ERT	Y.				
Travel, transportat	ion	and	offic	e su	pplie	s				\$6,158	50
Food										14,883	4 8
Clothing and mate	rials									18,404	51
Furnishings and ho	ousel	ıold	supp	plies						100,393	76
Medical and genera	al ca	\mathbf{r} e								1,790	82
Heat, light and por	wer									7,703	65
Farm								. `		47,760	70
Stable and garage										4,997	70
Repairs		٠			٠	•	•		•	24,283	64
										\$226,376	76
			,	SUMM	ARY	•					
Real estate .			•							\$1,031,376	52
Personal property			•	•	•			•		226,376	76
										\$1,257,753	28

TREASURER'S REPORT.

To the Department of Mental Diseases.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1922:—

		Cas	н А	CCOUNT.					
Balance Dec. 1, 1921		•						\$9,630	89
		i	Rece	ipts.					
Income.									
Board of inmates:									
Private				\$48,476					
Reimbursements, insane				33,763	47				
						\$82,239	86		
Personal services:									
Reimbursement from Board	l of	Ret	irem	ent		53	53		
Sales:	. 01	100			•	00	00		
Food				\$718	32				
Clothing and materials .				68	82				
Furnishings and household				38	30				
Farm:									
Cows and calves		\$85	50						
${f Hides}$		104	44						
Empty bags	٠	35	01						
					95			i ·	
Repairs, ordinary	•	•	•		87				
Arts and crafts sales .	•	•	•	473	93	1 500	10		
						1,523	19		
Miscellaneous:									
Interest on bank balances				\$555	68				
Rent				833	00				
Interest on patients' funds				141	47				
Sundries				8	93				
						1,539	08		
							-	85,355	66
Receipts from Treasury of C	omi	moma	valti	h •					
Maintenance appropriations:	0116	monu	cuu	٥.					
Balance of 1921						\$12,769	87		
Advance money (amount or		and I	Nove	ember 30					
Approved schedules of 1922						290,284			
							_	332,054	18
Special appropriations:									
Total								\$427,040	72
10tai	•	•	•		•	•	•	\$421,040	10

\$34,513 99

			P	ayn	nents.							
To treasury of Common												
Institution income .								\$85	,355	66		
Refunds account of m	ainte	nanc	e						8	93		
											\$85,364	59
Maintenance appropriat	ions:											
Balance of schedules of			2 7/09	r				\$22	,400	76		
Approved schedules of									, 100	• •		
Less returned			•	•		8						
Less letuined	•	•	٠	•		0	90	900	075	20		
NT 1 1									,275			
November advances	•	•	•	•	•	•	•	18	,152	13	200 000	~=
											330,828	27
D. I												
Balance, Nov. 30, 1922:												
In bank								-	452			
In office									395	34		
											10,847	87
•												
Total											\$427,040	73
			Маі	NTE	NANC	Œ.						
Balance from previous y	aar h	r0110	h+ f	OPTE	ord						\$789	10
Appropriation, current y	-a1, L	TOUE	5110 1	OI W	aru	•	•	•	•	•	333,050	
Appropriation, current y	ear	•	•	•	•	•	•	•	•	•	333,030	00
Total											\$333,839	10
Expenses (as analyzed b	٠ مامسر	•	•	•	•	•	•	•	•	•	324,789	
Expenses (as analyzed b	eiow)	•	•	•	•	•	•	•	•	•	324,109	31
Balance reverting to	trea	SHTT	of C	lom	mons	wealt	h				\$9,050	12
Danance To volving to	, or ca	July	01 (, OIII	inon	weare		•	•	•	φο,σσσ	~-
		Ana	lusis	of	Expe	nses.						
Personal services .					-						\$139,824	35
Religious instruction .	-				·	•				-	1,220	
Travel, transportation as	d off				•	•	•	•	•	•	5,818	
Food	14 011	100 0	Aper	1505	•	•	•	•	•	•	61,789	
Clothing and materials	•	•		•			•	•	•	•	9,155	
9		٠,,		•	٠		•	•	•	•		
Furnishings and househo				•	•	•	•	•	•	•	26,378	
Medical and general care		•	•	•			•		•	•	9,886	
Heat, light and power	•								-		25,129	
Farm											17,012	
Garage, stable and groun	$_{ m ids}$										3,199	93
Repairs, ordinary .											11,932	26
Repairs and renewals											13,441	47
Total expenses for n	nainte	nan	ce								\$324,789	37
	RES	OUR	CES	ANI	D LIA	BILT	TIES					
							11110					
0.1					rces.							
Cash on hand									,847	87		
November cash vouchers												
account of maintens	nce							18	152	13		
											29,000	00
Due from treasury of Co	mmo	nwe	alth	fro	m av	ailab	ole a	ppror	oriat	ion		
account November,											5,513	99
	·											

Liabilities.

Outstanding schedules of current year:

Net weekly per capita cost of \$4.4256.

PER CAPITA.

During the year the average number of inmates has been 1,040.42. Total cost for maintenance, \$423,789.37. Equal to a weekly per capita cost of \$6.0033. Receipt from sales, \$1,523.19. Equal to a weekly per capita of \$0.0282. All other institution receipts, \$83,832.47. Equal to a weekly per capita of \$1.5495.

Respectfully submitted,

EVA L. GRAVES,

Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

ALONZO B. COOK, Auditor.

STATISTICAL TABLES

AS ADOPTED BY AMERICAN PSYCHIATRIC ASSOCIATION

PRESCRIBED BY MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

STATISTICAL TABLES.

Table 1. — General Information.

1.	Date of	opening as an	n institution f	for the insane:	Aug. 16, 1858.
----	---------	---------------	-----------------	-----------------	----------------

- 2. Type of institution: State.
- 3. Hospital plant:

year.

Real estate, incl	udin	g	$_{ m buildings}$	and	hette	ermer	$_{ m its}$	\$1,031,376	52
Personal propert	у							226,376	76
Total .								\$1,257,753	28

Total acreage of hospital property, $513\frac{1}{2}$. Acreage under cultivation during year, 145.

4. Medical service:				Men.	Women.	Totals.
Superintendents '				1	-	. 1
Assistant physicians	١.			2	2	4
Dentist				1	-	1
Medical internes				_	-	_
Clinical assistants				-	_	_
						
Total				4	2	6

5. Employees:		Males.	Females.	Totals.
Graduate nurses		_	7	7
Other nurses and attendants		39	19	58
Social workers		_	1	1
All other employees		44	30	74

	1000	1.	 •			രം	57	140
0 T		c	 ,	,	, .	3.5	Wemen	m . 1

69.25

64.60

66.93

Table 2. — Financial Statement.

See treasurer's report for data requested under this table.

Table 3.— Movement of Patient Population for the Year ending Sept. 30, 1922.

OTHER CLASSES,	SANE, VOLUN- TEMPORARY CARE AND OBSERVATION, YOT COMMITTED.	Females. Totals. Males. Totals. Alales. Totals. Males. Totals.	- 1 1 1 1 2 570 611 1,181	- 2 2 17 16 33 185 199 384 - 68 - 68 - 68 - 68 - 68 - 68 - 68 -	111001	158 188 619 670 1,	- 756 756 .695 7.726 8.421 590. 638.656 1,228.656	756 .756 .660 7.726 8.386 511.345 519.455 1,030.8 8.99035035035 78.655 110.211 188.866
		Totals.	1,178	349 65 65 414 2 416 1,594	. 27.18	-	1,219.479	1,021.658 8.99 188.831
Test	TUSAN	Males.	269 609	168 20 45 188 226 189 227 758 836	25 32 32 33 16 11 2 3 3 3 11 2 3 3 3 3 4 10 11 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		589.305 630.174	510.685 510.973 8.99 78.620 110.211
			1. Patients on books of institution Sept. 30, 1921		(a) As recovered (b) As improved (c) As unimproved (d) As not insane (e) Transferred to other institutions for the insane (f) Tried during uses	4. Total discharged from books during year 5. Patients remaining on books of institution Sept. 30, 1922	Supplementary Data. 6a. Average daily number of patients on boxis during year. 6b. Average daily number of nationts actually in its stration.	year 7a. Average daily number of patients on visit and escape 7b. Average daily number of patients on visit and escape

Table 3. — Movement of Patient Population for the Year ending Sept. 30, 1922 — Concluded.

						°	гиев (Отнев Съязев.	ي.				
			Insane,		SANE	SANE, VOLUN- TARY.	· Z	TEMPO AND OI	TEMPORARY CARE AND OBSERVATION, NOT COMMITTED.	ARE FION, ED.	Тот	TOTAL ON BOOKS.	OKS.
		Males.	Females.	. ,slatoT	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	.zlstoT
Supplementary Data—Con. 8. Number of voluntary patients admitted within the year. 9. Number of temporary-care cases admitted within the year. 10. Number of patients actually remaining in institution Sept. 11. State Reimbursing Private 11. Number of patients in family care Sept. 30, 1922 State Private State State Supporting 12. Number of different persons within the year 13. Number of different persons admitted from the community 14. Number of different parsons dismissed, exclusive of transfers	to year the year thon Sept. 30,	6 72 522 593 529 759 1139	4 101 528 429 99 9 7 2 2 832 227	10 1,050 922 128 9 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	11 1 1 1 1 1 1 1 1 1 1	ରା		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	38 38 1 1 1 1 1 36 36 38 38 38 38 38 38 38 38 38 38 38 38 38	6 90 523 493 30 30 10 778 208 156	119 528 429 99 9 7 7 7 7 7 7 7 7 7 7 2 854 166	12 209 1,051 922 129 7 7 7 7 7 7 7 7 7 7 7 7 7 7 8322 322 322
 Number of non-insane patients or inmates in institution at end of institution year (k) Persons given advice or treatment in out-patient department during year 	itution at end c	of instituti ent during	on year .				• •			Males. 436		Females. 527	Totals.

Table 4. — Nativity of First Admissions and of Parents of First Admissions.

			P	ATIENT	rs.		RENTS MALE ATIENT		OF	ARENT FEMA	LE
Nativity	•		Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
United States			99	102	201	55	58	113	67	69	136
Australia			1	-	1	-	-	-	-	-	-
Austria			7	-	7	7	7	14	-	1	1
Belgium			1	-	1	1	1	2	-	-	-
Bohemia			1	~	1	2	2	4	- 1	-	-
Canada			5	16	21	14	13	27	20	23	43
China			1	-	1	1	1	2	-	-	-
Czecho-Slovakia .			1	-	1	1	1	2	-	-	-
England			6	6	12	9	9	18	9	5	14
Finland			-	-	-	-	-	-	1	1	2
France			1	1	2	1	1	2	1	1	2
Germany			3	5	8	10	9	19	10	8	18
Greece			4	2	6	4	4	8	2	2	4
Hungary			1	1	2	1	, 1	2	1	1	2
Ireland			14	21	35	33	35	68	39	39	78
Italy			5	8	13	6	6	12	9	9	18
Poland		٠,	10	6	16	10	10	20	6	6	12
Russia			4	7	11	5	5	10	7	7	14
Scotland			1	2	3	1	-	1	4	2	6
Sweden			1	3	4	1	1	2	3	3	6
Switzerland			1	1	2	1	1	2	1	2	3
Turkey in Asia .			1	-	1	1	1	2	-	-	-
Wales			_	-	-	-	_	-	1	1	2
Total foreign born		;	69	79	148	109	108	217	114	111	225
Unascertained		٠.	-	- 1	-	4	2	6	-	1	1
Grand total .	٠.		168	181	349	168	168	336	181	181	362

Table 5. — Citizenship of First Admissions.

				Males.	Females.	Totals.
Citizens by birth				99	,102	201
Citizens by naturalization				31	42	73
Aliens				38	36	74
Citizenship unascertained				~	1	1
Total				168	181	349

Table 6. — Psychoses of First Admissions.

						
Psychoses.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic				10	- 15	25
2. Senile, total	7	. 4	· 1İ	10	10	20
(b) Presbyophrenic type	1 1	2	3 2			
(c) Delirious and confused states (d) Depressed and agitated states	1 1	1 4	5			
(e) Paranoid types		4	4			
3. With cerebral arteriosclerosis		• •		14 11	10	$\frac{24}{15}$
4. General paralysis	· -	. :		2	4	6
6. With Huntington's chorea				2	- !	2
7. With brain tumor				_	1 4	1
8. With other brain and nervous diseases, total		1	1		- 1	-
Encephalitis lethargica	-	1	1			
Tabes dorsalis		1 1	1 1			
Undiagnosed				32	3.	35
9. Alcoholic, total	4	1	5			
(d) Acute hallucinosis	16 5	2	18 5			
(e) Chronic hallucinosis	1	_	ĭ			
(q) Chronic paranoid type	6	-	6			
10. Due to drugs and other exogenous toxins, total	' i	· <u>-</u>	·i	1	2	3
(a) (1) With cocaine and heroin (2) With bromides, hyosine and luminol .	-	2	2			
11. With pellagra				_	2	2
12. With other somatic diseases, total	_	3	3	3	17	20
(a) Delirium with influenza (b) Post-influenzal psychosis	_	1	1			
(c) Exhaustion delirium	-	$\frac{2}{3}$	2 3			
(d) Delirium of unknown origin	3	4	7			
(f) (1) Thyroid and ovarian deficiency	-	2	2			
(2) Ovarian and pituitary deficiency		1 1	1 1			
(3) Exophthalmic goiter	1			16	33	49
(a) Manic type	5	8	13			
(b) Depressed type	8	13 2	21			
(c) Stuporous type	1	6	7			
(e) Circular type	2	4	6	_	_	
14. Involution melancholia				3 51	5 63	8 114
15. Dementia præcox, total	9	30	39	01	00	111
(b) Catatonic type	22	19	41			
(c) Hebephrenic type	17	9 5	26 8	-		
(d) Simple				-	_	-
17. Epileptic, total		. ;	. ;	-	1	1
(a) Epileptic deterioration		1	1	i	5	6
18. Psychoneuroses and neuroses, total	-	· 2	2	•		
(b) Psychasthenic type	1	2	3			
(c) Neurasthenic type	1		. 1	2	_	2
20. With mental deficiency				9	3 7	12
21. Undiagnosed				4 7	$\frac{7}{2}$	11
22. Without psychosis, total (d) Psychopathic personality without psychosis.	i	i	2	'		,
(e) Mental deficiency without psychosis	4	1	5			
(f) Old age without psychosis	1 1	_	1			
(g) No mental abilificantly				100		040
Total				168	181	349
	!				1	<u> </u>

Table 7. — Race of First Admissions classified with Reference to Psychoses.

,			11
NI .	Totals.	11 1111111	
H BR/	Females.	11 111111111111111111	-
T	Males.		1
z, z	Totala.		2
WITH FINGTO HOREA.	Females.	11 11111111111111	1
HUN	Males.	11 11111111111111111	73
RAL.	Totals.	11 111881111111114	9
CERE	Females.		4
WITH	Males.		7
J W	Totals.		14
ENERAI	Females.		4
GI PA	Males.	11 1-11111-1110	10
E- RIO-	.alstoT	1; 14-21184111111112	25
ARTEL	Females.		10
WIJ BRAL SCI	Males.	===	15
	Totals.	1 1000011011111111111111111111111111111	25
ENILE.	Females.	H	15
vá I	Males.	ा । समा । । । । । । । । । । । । । । । । । । ।	10
	Totals.	28 28 28 28 27 44 74 74 75 11 12 12 12 13	349
OTAL.	Females.	21 1011 2000 2000 21 14447 1100	181
Г	Males.	11 100 4 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	168
ë.		aish:	
RAC		Flen	•
		and bon	tal .
		African Chinese Chinese Chick Wallc Sagish French Greek Gebrew Hebrew Hebrew Hebrew Hebrew Greek Hebrew Greek Hebrew Hebr	Total
	Total, Senile, Senile, Screrosis. Race. RACE. RACE. WITH BRAIN WITH BRAIN TORREBRAL STPHILIS. CHOREA. TOMOR.	Totals. Totals.	TOTAL. SENILE. SENILE. SENILE. STEADS. TOTAL. Males. TOTAL. PARTITION. STRPING. PARTITION. STRPING. PARTITION. STRPING. PARTITION. STRPING. PARTITION. STRPING. ST

Table 7. — Race of First Admissions classified with Reference to Psychoses — Continued.

	IA.	Totals.	11 11-11 12 11 11 1-11 1-4 00
	INVOLUTION MELANCHOLIA.	Females.	11 11-1111111111111114 10
	INV	Males.	11 1111101111111111 0
	gi gi	Totals.	11 14 663 550 6 1 1 4 6 6 6 6 6 6 6 6 6
	MANIC- DEPRESSIVE.	Females.	11 1044100001-114117 60
	រថ្មប	Males.	
	ъв.	Totals.	1 1 181 181 1 1 1 1 1 1 0 0
	WITH OTHER SOMATIC DISEASES.	Females.	1 10 10 11 11 11 11 11 11 11 11 11 11 11
	ET W SO ST O	Males.	[] [===][==][====
.83	GRA.	.slstoT)
Рвусноѕев	WITH PELLAGRA	Females.	11 11 - 11 11 11 11 1 0
Ps	WITH	Males.	1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (
	UGS ER US	.alstoT	(1
	DUE TO DRUGS AND OTHER EXOGENOUS TOXINS.	Females.	11 111111111111111111111111111111111111
	DUE AN EX	Males.	11 111111111111
	.c.	.alstoT	11 114041601418110
	ALCOHOLIC.	Females.	
	ΥΓ	Males.	1 1 1 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	ER OUS	Totals.	
	WITH OTHER BRAIN OR NERVOUS DISEASES.	Females.	11 111111114
	WI	Males.	
		,	
			_g
	RACE.		Flemis.
			African Chinese Dutch and Flemish. Walloon English French Greak Greak Irish Italian Italian Magyar Ssondinavian Ssorteh Stayone Stayone Stayian Weish Mixed Total

Table 7. — Race of First Admissions classified with Reference to Psychoses — Concluded.

1 ,	1						
	IS.	Totals.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
	WITHOUT PSYCHOSIS.	Females.					
	P.S.	Males.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
	ED.	Totala.	11 1401110011111100				
	UNDIAGNOSED.	Females.					
	UNDI	Males.					
	L' AL	Totala.	1 1 2 1 1 1 1 1 1 1 4 2				
	WITH MENTAL DEFICIENCY,	Females.	11 11-11101111111 00				
	WITH	Males.	1 1 1 1 1 1 1 1 1 1 1 1 1 4 6				
	-6 .;	Totals.	11 111111111111 2				
Psychoses.	TH PSYCHO PATHIC RSONALITY	Females.					
Psrci	WITH PSYCHO- PATHIC PERSONALITY.	Males.	11 111111111111111111111111111111111111				
			11 1 1 1 1 1 1 1 1 1				
	ro- ses.	Totals.	11 111110111111110 10				
	PSYCHO- NEUROSES,	Females.					
		Males.					
	10,	Totals.	11 11 11 11 11 11 11 11 11 1				
	TLEPT	PILEPT	PILEPT	PILEPT	BPILEPTIC,	Females.	11 111111111111111
	ig .	Males.					
	٧.	Totala.	1 1 1 2 2 2 2 2 2 3 3 2 3 4 4 4 4 4 4 4 4 4 4				
	DEMENTIA PRÆCOX.	Females.	63 2011133311335221 11				
	E G	Males.	11 11000010000110				
	1,						
	e.						
	Race.						
			n n n n n n n n n n n n n n n n n n n				
	•		African Chinese Dutch and Flemish: Walloon English French German German Greek Hebrew Irish Italian Lithuanian Magyar Scandinavian Scotch Syrian Welsh Mixed Total				
			Africa Africa Dutchine United Wall Englis Englis Greek Hiebre Ilithus Magya Scotch Slavon Slavon Welsh Mixed				

Table 8.— Age of First Admissions classified with Reference to Principal Psychoses.

		Totals.	1 1 1 1 20 - 1 1 1 20 8 1 1 - 20 1 20 1 1 20 1	40
	40-44.	Females.	1 + 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 ×	23 4
	9	Males.	111001111011111111111111111111111111111	17 2
		Totals.	33 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	39
	35-39.	Females.	11111111111000121111101	20 8
	55	Males.	[[]==+	19
		Totals.	111111111111111111111111111111111111111	44
	30-34.	Females.		21 4
	8	Males.	1114111161111181111414	23
	_	Totals.	1	27
RS.	25-29.	Females.	1	15
YEARS.	25	Males.	111-1111-111-16111111	12
		Totals.	1	27
	20-24.	Females.	111111111111111111111111111111111111111	14
	ģ	Males.		13
	-	Totals.	111-1111111-19111-191-	12
	15-19.	Females.		4
	#	Males.	[∞
		Totals.	111111111111111111111111111111111111111	62
	UNDER 15.	Females.	11111111111111111111	67
	UND	Males.	1111111111111111111111	ī
		Totals.	252 1 1 1 1 2 2 2 2 3 3 3 4 1 1 1 2 2 2 2 3 3 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	349
	TOTAL.	Females.	1210444 1 1 4 8 8 2 3 2 1 2 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2	181
	Ĭ	Males.	100000000000000000000000000000000000000	168
		-		•
			sases 	
		ES.	dises	
		PSYCHOSES.	rosis rosis rosis vous exog ases ases condi	
	\$	Fsy	ilis chor r r ner r r ner r chor chor chor chor chor chor chor c	
			Traumatic Sonile With cerebral arteriosclerosis (General paralysis With cerebral syrphilis With terebral syrphilis With the print utmor With other brain or nervous diseases Alcoholic Due to drugs and other exogenous toxins With pullagra Mani-depressor Turobution melancholia Dementia pracox Epileptic Psychoneurose Psychoneurose With psychosis Undiagnosed Withouth psychosis	
			c c brall brall brall thing the process of the proc	
			Traumatic Sonile With cerebral arter With cerebral arter General paralysis With cerebral sryp With hantington With brain tumor With hore tumo With to ther brain o Alcoholic Due to drugs and With other somati With other somati With other somati With other somati With palagra Demonia and para Epileptic Paranoia and para Espileptic With mental defici With mental defici Undiagnosed With mental defici Undiagnosed	Total
			HOSOS PARTICION HAR THE PROPERTY OF THE PROPER	
			22.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	

Table 8. — Age of First Admissions classified with Reference to Principal Psychoses — Concluded.

		Totals.	100411111111111111111111111111111111111	
	OVER 80.	Females.	100	
	ò	Males.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
		Totals.	129 1 1 1 1 1 1 1 1 1	
	75-79.	Females.	1001111111111111100	
	2	Males.	14.00 []	
		Totals.	1400 141 11 11 11 11 11 12 31	
	70-74.	Females.	180-1111-11111111-0	
	7	Males.	0 11011111111111111111111	
		Totals.	11121 1111 121 131	
	65-69	Females.	1 10 1 1 1 1 1 1 1 1	_
υć	9	Males.	1444111141184411111414 8	
YEARS.		Totals.	1708 1 1 1 1 1 1 1 2 2 1 1	_
X	60-64.	Females.	111111110-011111-0	
	55-59.	Males.	14011-1101110-1111-111 4	
		Totals.	11	=
		Females.	1111-11111-00-00-011111-01	
		Males.	11111111	
		Totals.	111221117111221111111111111111111111111	=
	50-54.	Females.	11-0/0/1111-1-00141111-11-1	
	1.5	Males.	111111111111111111111111111111111111111	
		Totals.	30 1211111111111111111111111111111111111	=
	45-49.	Females.	1 1 1 1 1 2 1 1 1 1	
	4	Males.	1114411131118141111191 4	٦
				1
			erosis	
			recrosis	
		SOH	lerosis rea rvous rexogeeases condit	
	c	Psychoses.	scler is thore nerv her e lisea iic cc iic cc cc cc cc cc cc cc cc cc c	
			1. Traumatic 2. Senile 3. With cerebral arteriosclerosis . 4. General paralysis 5. With derecharly styphilis 5. With Huntington's chorea 7. With hamington's chorea 7. With hamington's chorea 8. With other brain or nervous diseases 9. Alcoholic . 10. Due to drugs and other exogenous toxin 11. With pellagra . 2. With other somatic diseases 3. Manic-depressive . 4. Involution melancholia . 5. Dementia precox . 6. Deranoia and paranoic conditions . 7. Epileptic . 7. Epileptic . 8. Paranoia and paranoic conditions . 9. With psychopathic personality . 11. Undiagnosed . 12. Without psychosis .	
			al ar ar ar ar ar ar ar ar ar ar ar ar ar	
			tic rebri rebri rebri untiluntiluntiluntiluntiluntiluntiluntil	
			Traumatic Senile With coreb With cereb With cereb With Care Mith Hunt With Hunt With Palan With pelia With pelia With other With pelia With other Manie depth Manie depth Involution Paranoia a Epileptic Epileptic Epileptic Psychonomy With postdi With payed	
			Tra Sen With With With With With With With With	
			22.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.	

Table 9. — Degree of Education of First Admissions classified with Reference to Psychoses.

LLITERATE. READS AND COMMON HIGH SCHOOL.	Males. Totals. Totals. Totals. Totals. Totals. Totals. Totals. Totals. Totals.	1
Total.	Psychoses. Males. Females.	Tranmatic -

Table 10. — Environment of First Admissions classified with Reference to Principal Psychoses.

	7	Готаі	٥.	τ	JRBAI	٧.	I	lura:	L.
Psychoses.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	-	-	_	-	-	_	-	_	_
2. Senile	10	15	25	5	10	15	5	5	10
3. With cerebral arteriosclerosis	15	10	25	5	6	11	10	4	14
4. General paralysis	10	4	14	8	3	11	2	1	3
5. With cerebral syphilis	2	4	6	2	2	4	-	2	2
6. With Huntington's chorea	2	-	2	1	-	1	1	-	1
7. With brain tumor	-	1	1	-	1	1	-	-	-
8. With other brain or nervous diseases .	-	4	4	-	4	4	-	-	-
9. Alcoholie	32	3	35	18	2	20	14	1	15
10. Due to drugs and other exogenous toxins	1	2	3	-	1	1	1	1	2
11. With pellagra	-	2	2	-	1	1	-	1	1
12. With other somatic diseases	3	17	20	3	10	13	-	7	7
13. Manic depressive	16	33	49	12	20	32	4	13	17
14. Involution melancholia	3	5	8	1	2	3	2	3	5
15. Dementia præcox	51	63	114	35	43	78	16	20	36
16. Paranoia and paranoid conditions	-	-	-	-	_	-	-	-	-
17. Epileptic	-	1	1	-	1	1	-	-	-
18. Psychoneuroses	1	5	6	-	4	4	1	1	2
19. With psychopathic personality	2	-	2	2	-	2	-	-	-
20. With mental deficiency	9	3	12	6	2	8	3	1	4
21. Undiagnosed	4	7	11	2	4	6	2	3	5
22. Without psychosis	7	2	- 9	4	1	5	3	1	4
Total	168	181	349	104	117	221	64	64	128

Table 11. — Economic Condition of First Admissions classified with Reference to Principal Psychoses.

		1	. 1
INED.	Totals.		'
UNASCERTAINED.	Females.		1
UNA	Males.	~	ı
LE.	Totals.		47
COMFORTABLE.	Females.	1 0 1 1 1 1 2 2 2 1 1 1	28
Сом	Males.	1100111101114101111141	19
г.	.slatoT	120 110 1113 122 133 140 140 140 150 160 160 160 160 160 160 160 160 160 16	286
MARGINAL.	Females.	1188889 11888448	141
M	Males.	1011882221108112888111128827	145
Tr.	Totals.	[4miss] m	16
Dependent.	Females.	41 01 - 01 -	12
DE	Males.	114111111111111111111111111111111111111	4
	.slaloT	255 261 144 202 203 344 114 112 112 112 113	349
Total.	Females.	151 00 4 4 4 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	181
	Males.	110 110 120 120 133 110 110 110 110 110 110 110 110 11	168
			•
			.
		sess s tox	
	<i>n</i> i	rosis ea ea ea exceptions toxins conditions onality	
	CHOSES	osis n n n n n n n n n n n n n n n n n n	
		colerication of the coleri	
	Psy	erios philli l's el r or r or r or r or r or r or r or r o	
		l art lysis syn	·
		c	٠
		mating the property of the pro	Total
		1. Tranmatic 2. Senile 3. With ceebral arterioselerosis 4. General paralysis 5. With ceebral syphilis 5. With therebral syphilis 7. With ham tumor is chorea 7. With ham tumor nervous diseases 8. With other brain or nervous diseases 9. Alcoholic 11. With other somatic diseases 12. With other somatic diseases 13. Manic-depressive 14. Involution melancholia 15. Dementia precox 16. Paranoia and paranoic conditions 17. Epileptic 18. Psychopathic personality 17. Epileptic 18. Pyrchoneroses 19. With psychopathic personality 21. Undiagnosed 22. Without psychosis	T
		22:26:98:25:25:25:25:25:25:25:25:25:25:25:25:25:	

Table 12.— Use of Alcohol by First Admissions classified with Reference to Principal Psychoses.

NED.	Totals.	111-111101001-111-1	12
Unascertained.	Females.	111441141111101411141	7
UNAS	Males.	188111111111111111111111111111111111111	10
тв.	Totals.	10000-11150-11-1-1-1-1-1-1-1-1-1-1-1-1-1	53
INTEMPERATE.	Females.	1	zc.
INI	Males.	100001111011111111111111111111111111111	48
Э	Totals.	142761111190881111448	72
Темревате.	Females.	1444410111104101111101	16
TE	Males.	1004001 1 1 1 100000 1 HH4400	56
Τ.	Totals.	344221 122221 134 14 15 15 15 15 15 15 15 15 15 15 15 15 15	212
ABSTINENT.	Females.	14000011001001000000110010040	153
Aı	Msles.	140011011111111111111111111111111111111	29
	Totals.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	349
TOTAL.	Females.	1 2044 1482222222 146 227	181
	Males.	1022011221112200447	168
			•
,		1. Traumatio. 2. Semile 3. Cerebral arterioselerosis 4. General paralysis 5. With ecrebral styphilis 6. With Huntington's chorea 7. With Huntington's chorea 8. With other brain orn nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pollagra 12. With other somatic diseases 13. Manicepressive 14. Involution melancholia 15. Dementia priceox 16. Paranois and paranoic conditions 17. Epileptic 18. Raychoneurosea 19. With mental efficiency 20. With mental efficiency 21. Undiagnosed deficiency 22. Undiagnosed deficiency 22. Without psychosis	
		iseassi on successions	
	SES.	is di se di se di se di fito d	
	CHOSES	s s rea rvoi easc easc con con .	
Psrc		nilis s cho rr ne cothe othe holis inoic	•
		osch osch osch osch osch osch osch osch	•
		trais rais rais rais rais rais rais rais	
		astic all paragraphs of the pa	Total
		Traumatic	To
		WHIST PARTY WEST PARTY	
		22.00.00.00.00.00.00.00.00.00.00.00.00.0	

Table 13.— Marital Condition of First Admissions classified with Reference to Principal Psychoses.

ا. یہ	Totals.		
UNASCER- TAINED.	Females.	1:1:1:1:1:1:1:1:1:1:1:1	1
UN	Males.		1
ا ۾	Totals.		3
Divo r сер.	Females.		60
Drv	Males.	111111111111111111	1
Ö.	Totala.	1111111111111110111111	20
SEPARATED.	Females.	111111111111111111111111111111111111111	5
SEP/	Males.	11111111111111111111	1
<u>.</u>	Totala	101100011100110000411111111	49
Widow еd.	Females.	101012111111112122	29
Wib	Males.	[0,000+111011110+111111	20
.	Totals.	10000001100011000444110011001	159
MARRIED.	Females.	1888911888118881181	98
MAJ	Males.	19211112211221	73
	Totals.	149411121147	133
SINGLE.	Females.	1001 1 1 1 1 1 1 1 1	28
Si	Males,	124611112111614611118274	75
1	Totals.	225 144 144 20 20 114 88 112 9	349
TOTAL.	Females.	110 110 110 110 110 110 110 110 110 110	181
Ĭ	Males.	110 110 110 110 110 110 110 110 110 110	168
			-
		raumatic anile fith cerebral arterioscierosis fith cerebral syphilis fith therebral syphilis fith therebral syphilis fith therebral syphilis fith other brain or nervous diseases. fith other brain or nervous diseases fith other brain or nervous diseases fith other brain or nervous diseases fith other somatic diseases fith pellagra fith pellagra formatic diseases fith pellagra formatic precox fith melancholia beneratin precox fith paranoic conditions pileptic graenois and paranoic conditions pileptic fith mental deficiency fith mental deficiency fith mental deficiency fith mental deficiency fith mental deficiency fith mental deficiency	
		sease	
	ซ [ั]	: iis :	
	Psychoses.	orea rrvot er ex er ex sease 3 con rsons	
	SYCI	riosc hilis s ch or nc oth oth inoic c per	
	1	arte ysis syp ysis syp ysis syp yton mor ain and mati iive ecox park bar athir hosis.	•
		brail brail	•
		nation of the policy of the po	Total
		Praumatic Senile Senile Senile Senile Senile General paralysis General paralysis General paralysis With terebral styphilis With brain tumor With other brain or nervous diseases Alcoholic But to drugs and other exogenous to With pellagra Munic-depressive Involution melancholia Dementia precox Paranoia and paranoic conditions Epileptic Peripopic With psychopathic personality With mand deficiency Undragnosed With mand deficiency Undragnosed With psychopsisis	Ĭ
		1.22.8.4.6.6.7.8.9.0.1.1.2.1.4.6.1.6.1.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	
	1		

Table 14. — Psychoses of Readmissions.

Formales. Formales. Totals.	Males.	Females.	Totals.
1. Traumatic	1 1 2	- 1 1 1	- 1 2 3 1
7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic, total (d) Acute hallucinosis 10. Due to drugs and other exogenous toxins 11. With pellagra	- 2 - -	- 1	- 2 - 1
12. With other somatic diseases	6	18	24
14. Involution melancholia	7	1 18	1 25
16. Paranoia and paranoic conditions	-	- 1 -	1
20. With mental deficiency	1	1 2	3 1
Total	20	45	65

Table 15. — Discharge of Patients classified with Reference to Principal Psychoses and Condition on Discharge.

ZE.	Totals.	111111111111111111111111111111111111111	2
Nor Insane.	Females.	11111111111111111111111111111111	89
No	Males.	[2
ED.	.slatoT	14646411161116114411111441	27
UNIMPROVED,	Females.	1101111111110101111141	11
UN	Males.	11110111011111011111111	16
9	.slstoT	194111110111124	71
IMPROVED.	Females.	10011111111111410011100111	39
I	Males.	1 1 20 1 1 1 1 20 1 1 1 20 1 1 1 20 1 1 1	32
ED.	Totals.	111111111111111111111111111111111111111	58
RECOVERED.	Females.	111111820211111111	33
Ri	Males.	711	25
	Totals.	1891121 1891	161
TOTAL.	Females.	194:111449188481188148	98
	Males.	11211121112112	75
			.
		is increases inc	.
		seclerosis shorea shorea nervous diseases her exogenous to diseases slia sic conditions oersonality oey	.
	Psychoses.	s shorea	.
	SYCH	osclerosi lis chorea nervoue ther exo, diseases olia oic cond presonal	
	14	urteri sis supphi supphi son's nor in or und o und o subsection or subsection	
		coral; araly oral; araly orals ruting rucs arasi nel rucs rucs rucs rucs rucs rucs rucs rucs	
		1. Traumatic	Total

Table 16. — Causes of Death of Patients classified with Reference to Principal Psychoses.

	, ·	Totals.	1 . 1 1 1 1 1 1 1 1 1	1-1-1	t 1
	WITH PELLAGRA.	Females.	111111111111111111111111111111111111111	1 1 1	1 1
	PE	Males.	111111111111	1.1.1	1.1
	5.	Totals.		1 - 12	
	АБСОНОГІС.	Females.	111111111111	111	
	ALC	Males.		1 1 2	1.1
	, Z	Totals.	1111111111	.	1 -
	WITH HUNTINGTON'S CHOREA.	Females.	111111111111	111	1.1
	HUNT	Males.	11111111111	1.1.1	1
	ي د	Totals.	111111111111	-11	1 (
Psychoses.	WITH CEREBRAL SYPHILIS.	Females.		-11	1.1
Psyci	CEH	Males.	111111111111	111	1.1
	ى تۇ	Totals.		- 16	1 [
	GENERAL PARALYSIS,	Females.	11111111111	119	1.1
	GE	Males.	* 1 ' 1 1 1 1 1 1 1	1 1 9	1 1
	-1 si	Totals.	111411111111	15	
	WITH CEREBRAL ARTERIO- SCLEROSIS.	Females.	111-11111111	rð 1 I	
	CEI AR SCL	Males.	111111111111	10	1.1
		Totals.	:	10	
	SENILE.	Females.	11111-11111	6/11	
	Σc.	Males.	1111-1111111	∞ 1 I	1.1
		Totals.		32 1 16	∞ ∞
	Toral.	Females.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	111 - 6	ოო
	T	Males.		21 10	1 10
	<u>_</u>			• • •	
	CAUSE OF DEATH.		General Diseases, Abseess of neek Carcinoma of intestines Carcinoma of intestines Carcinoma of stomach Carcinoma of uterus Cholecystitis, acute Eryspitelis, acute General septicemia Pernicous anemia Pernicous anemia Pernicous anemia Pernicous anemia Pernicous anemia Pernicous anemia Pernicous, acute articular Sudden death due to natural causes' Tuberculosis, pulmonary	Nervous System. Cerebral hemorrhage Convulsions due to alcoholism General paralysis of the insane	Respiratory System. Broncho pneumonia Lobar pneumonia
	,		Abseess of 1 Carcinoma Carcinoma Carcinoma Cholecystit Ehysipelas of General sep Pernicious & Pernicious & Rheumatiss Sudden dea	Cerebral Convulsi General	Broncho Lobar pr

¹ From coroner's certificate.

Table 16.—Causes of Death of Patients classified with Reference to Principal Psychoses—Continued.

	гн 6 кл.	Totals.		111	1 1	1	2
	WITH PELLAGRA.	Femsles.	111111	1 1 1	1 1	1	1
		Males.					
	Lic.	Totals.	. 1 1 1 1 1 1	1 1 1		1	
	АБСОНОБІС.	Females.	111111	111	1 1	1	23
	<u> </u>	Males.	111111	1 1 1	1	1	4
	WITH HUNTINGTON'S CHOREA.	.elstoT	(111111	111	1	1	C7
	WITH NTINGTO CHOREA.	Females.	11111	1 1 1	1 1	1	,
	HUN	Males.	11111	1 1 1	1	1	7
	13 %	Totals.	1-1111	1 1 1	1 1	1	က
Psychoses.	WITH CEREBRAL SYPHILIS.	Females.	1 1 1 1 1	1 1 1	1 1	-	83
Psyc	CEI	Males.	11111	1.1.1	1.1	1	ı
	نەن د	Totals.	11111	1 1 1	1 1	1	16
	GENERAL PARALYSIS.	Females.	11111	1.1.1	1.1	1	9
	GE	Males.	1 1 1 1 1 1	1.1.1	1 1	1	10
	غر د	Totals.	010011100	1 1 1	- 1	1	56
	WITH CEREBRAL ARTERIO- SCLEROSIS.	Females.		1 1 1	1 1	١,	10
	CER ART SCLE	Males.	11160	1 1 1	 1	1	16
		Totals.		1 1 1		1	19
	SENILE.	Females.	111110	1 1 1	1 1	1	9
	SE	Males.	-11116	1 1 1	- '	1	13
	1	Totals.	448121		9 9	-	122
	Toral.	Females.	ପରରୀ । ସମ	1	0101	-	58
	To	Males.	811110	-11	44	ı	64
					snc	•	
	CAUSE OF DEATH.	, , ,	Circulatory System. Cerebral thrombosis Cerebral thrombosis Endocarditis, chronic Maigrant, Jymphosarcoma Myocarditis, acute Myocarditis, chronic	Digestive System. Diarrhox and entertits. Duodenal uleer (ruptured). Gastric uleer (ruptured)	Genito-urinary System. Nephritis, chronic interstitial Nephritis, chronic parenchymatous	Diseases of the Skin.	
			Cerebra Cerebra Endocar Maligna Myocarc	Diarrho Duoden Gastric	Nephrit Nephrit	Gangrer	Total

Table 16.—Causes of Death of Patients classified with Reference to Principal Psychoses—Continued.

											Psr	Рѕтсноѕвя.	Š.										
CAUSE OF DEATH.	WIT Si IU	WITH OTHER SOMATIC DISEASES.	HER C SS.	N	MANIC- DEPRESSIVE	/E.	INVOLUTION MELANCHOLIA	INVOLUTION AELANCHOLIA	IA.	DEM	DEMENTIA PRÆCOX.		PSYCHO- NEUROSES.	HO- OSES.	→ E	TH PSYCI PATHIC RESONALI	WITH PSYCHO- PATHIC PERSONALITY.		WITH MENTAL DEFICIENCY.	TAL CY.	UND	UNDIAGNOSED,	SED.
	Males.	Females.	Totals.	Males.	Females.	Totala.	Males.	Females.	.slatoT	Males.	Females.	Totals.	Males.	Females. Totals.	Males.	Females.	retals.	Males.	Females.	.slstoT	Males.	Females.	Totals.
General Diseases. Cabecas of neek Careinoma of intestines Careinoma of intestines Careinoma of intestines Careinoma of uterus Cholecystitis, acute Epithelioma of nose Erysipales of face General septicemia Perincious anemia Perincious anemia Perincious anemia Perincious anemia Perincious perincipales Sudden death due to natural causes! Tuberculosis, pulmonary	111111111111	пентиеціп	* -	111111111111	11111100111110	111111-1111-	11111111111	1-01111111111	1=0111111=11	111111111	111011111111111	11101111111110	,	`11111111111						11111111111	11111111111	111111111111	1111111111111
Nervous System. Cerebral hemorrhage Convulsions due to alcoholism General paralysis of the insane	1 1 1	- 11	-11	111	1 1 1	1 ! 1	1 1 1	-11	-11	- 1-1	- I I	2111	1 1 1	1 1 1	111	111	1 1 1	111	111	1.1.1	111	1 1 1	1-1-1
Respiratory System. Broncho pneumonia Lobar pneumonia	1 1	 1	1	1 1	1 1	1 1	1 1	1 1	1 1	1 00	1	1 44	1 1			1 1	1 1	1	1.1	1 =	1 1	1-1	1 1

¹ From coroner's certificate.

Table 16. — Causes of Death of Patients classified with Reference to Principal Psychoses — Concluded.

	UNDIAGNOSED.	Males. Females. Totals.	1 1 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	1 1	1	- 1
		Totals.		111	1 1	- 1	63
	KENTA	Females.		1 1 1	1 1	i	_
	WITH MENTAL DEFICIENCY.	Males.	11111	1 1 1	Į I	1	-
		Totals.	11111	111	1 1	1	-
	H PSYCH PATHIC ISONALIT	Females.	11111	111	1 1		ı
	WITH PSYCHO- PATHIC PERSONALITY.	Males.	4 1 1 1 1	1 1 1	1 1	1	-
	, si	Totals.	[]]]] [111	1 1	1	-
	PSYCHO- NEUROSES.	Females.	11111	1 1 1	1 1	ı	
ES.	PS	Males.	11111	1 1 1	1.1	1	l
Psychoses.	<u> </u>	Totals.	(= 4	111	7	1	20
Ps	DEMENTIA PRÆCOX.	Females,	11111	1 1 1	7-1	ı	10
	DE	Males.	11:-14	111	1 1	ı	10
	ON LIA.	Totals.	11111	1	1 1	1	7
	INVOLUTION	Females.	111111	1-1	1 1	1	5
	INV MEL/	Males,	111111	-11	1 1	ı	2
	VE.	Totals.	11-111		1 =	ı	5
	MANIC- DEPRESSIVE.	Females.	1 1 1 1 1	11-	11	1	3
	DEP	Males.	HELLI	111	1 =	ı	2
	IER C iS.	Totals.	11-1-101	111	8181	ı	=
	WITH OTHER SOMATIC DISEASES.	Females.	114161	111	1=	'	∞
	WIT S.	Males.	111111	111	1	i	3
					al matous		•
	Cause of Death.		Circulatory System. Cerebral embolus Cerebral thrombosis Educocarditis, chronic . Malignant lymphosarcoma Mycarditis, acute . Mycarditis, acute .	Digestive System. Diarrhœa and enteritis Duodenal ulcer (ruptured) Gastric ulcer (ruptured)	Genito-urinary System. Nephritis, chronic interstitial Nephritis, chronic parenchymatous	Diseases of the Skin. Gangrene of foot	tal
			Cerebra Cerebra Endoca: Maligna Myocar	Diarrhe Duoden Gastrie	Nephrii Nephrii	Gangre	Total

Table 17. — Age of Patients at Time of Death classified with Reference to Principal Psychoses.

		Totala.	1116-111-1-1-011111	2
	40-44.	Females.	1110-111-1-1-1-111111	∞
	4	Males.	1;1001;11111111111	4
	-	Totals.	11:01+1:1111111111111111111111111111111	e
	35-39.	Females.		
		Males.	111011111111111111111111111111111111111	8
		Totals.	111-11111111111111111111111111111	8
	30-34.	Females.	111-1111111111111111	-
		Malest	111111111111111111111111111111111111111	2
		Totals.	111-111111111-111111	22
YEARS	25-29.	Females.	1111111111111111	1
Yı		Males.	111-11:11:11:11:11:11:11:11:11:11:11:11:	-
	_	Totals.	11111111111111	1
	20-24.	Females.	11111111111111	-
	~	Males.		ı
		Totals.	[11][1][1][1][1][[-1][1][1][1][1][1]	-
	15-19.	Females.	111111111111	-
	-	Males.		1
	15.	Totals.	111111111111111111111	1
	UNDER 15.	Females.	111111111111111111111	
	UNI	Males.	11111111111111111111111	1
	;	Totals.	102211201211211	122
	TOTAL	Females.	1.00.000111010000000111100011	28
	7	Males.	1850191141180901111411	25
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		SYCHOSES.	clerosis . oorea . er exogenous disee er exogenous seases . ia . conditions .	
		Psy	oscle chor chor chor chor chor chor chor chor	
			urteri sis syphi on's nor in or in or on or ov ve ve ve ve va anch ov va anch in or in	
			ural a uraly a ural a uraly a ural a tun a tun a tun a tun a tun a tun a ural a	·
			1. Traumatic 2. Senile 2. Senile 3. With cerebral arteriosclerosis 4. General paralysis 5. With cerebral syphilis 5. With Munitagion's chorea 7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra 12. With other somatic diseases 13. Manic-depressive 14. Involution melancholia 15. Dementia præcox 16. Paranoia and paranoic conditions 17. Epileptic 18. Eyelohoutroses 19. With psychopathic personality 19. With psychopathic personality 20. With mental deficiency 21. Undiagnosed 22. Without psychosis	Total
			1. Trauma 2. Senile 2. Senile 2. Senile 2. Senile 3. Gibb cell 5. With cell 6. With Br. 7. With bit 10. Due to 7. With per 10. Due to 7. With per 10. Due to 7. With per 10. Due to 7. With per 10. With	Ĥ
			123:24.4.6.6.7.8.9.0.11.2.2.4.4.2.9.1.2.2.2.2.3.9.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0	

Table 17. — Age of Patients at Time of Death classified with Reference to Principal Psychoses — Concluded.

1 1		Totals.	166111114411111411111111	9
	OVER 80.	Females.	[44] [] [] [] [] [] [] [] []	=
	OVE	Males.	1 0000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9
		Totals.	120111111111111111111111111111111111111	16
	75-79.	Females.	100111111111111111111111111111111111111	22
	15	Males.	[104][11][-][]]	=
		Totals.	1010	- E3
	70-74.	Females.	110011111111111001111111111111111111111	9
	2	Males.	100011111111111111111111111111111111111	-
		Totals.	100111110111011101111111111111111111111	4
	65-69.	Females.		*0
"i	9	Males.	[84] [11 [8] [8] [4] [4]	6
YEARS.		Totals.	1:1-:1:1:0:1:1:1:1:	œ
Y	60-64.	Females.	[11][[1][[0]]	62
	Φ	Males.	[9
		Totals.	400	15
	55-59.	Females.		2
	r.	Males.	401 - -	2
	-	Totals.	:	6
	50-54.	Females.	11100-11111	r.
		Males.	[[[[[[[[[[[[[[[[[[[[4
		Totals.	1110011111110000011110111	6
	45-49.	Females.	111-11111100111-111	∞
	4	Males.	111-1111111111111111	
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Table 18. — Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses.

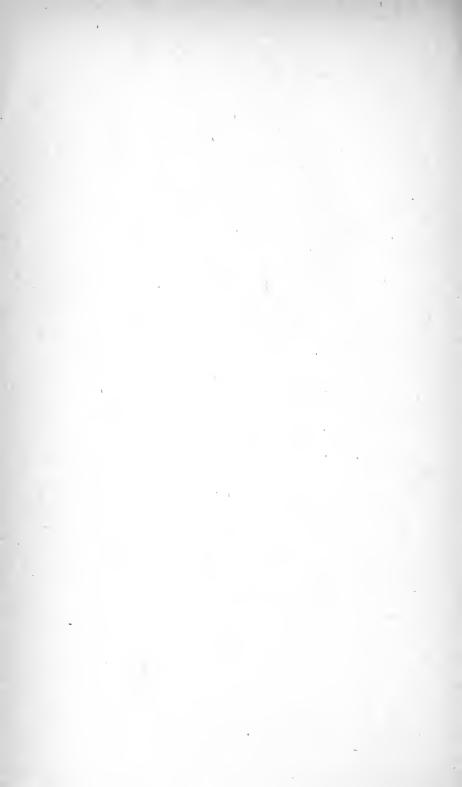
		Totals.	1400111111111101111111	6
	8-12.	Females.	11-1:11111-11:111111	2
		Males.		7
		Totals.	100-00 1 1 1 1 1 1 - 1 1 60 1 1 1 1 1 1 1 1	10
	4-7.	Females.	1111111-101111111	2
THS.		Males.	160 60 1 1 1 1 1 1 1 1 1	2
Months.		Totals.	1600011116111111	20
	1-3.	Females.	1=01=1111101111111111	∞
		Males.	[440] [H] [] [H] [H] [H] [H]	12
	ij	Totals.	1014000-11-11-1-0001111111	25
	LESS THAN 1.	Females.	11	13
	LESS	Males.	10001-111101-1111111	12
		Totals.	20 20 11 11 11 20 20 12 20 13	122
	I OTAL.	Females.	190988111888811111111111111111111111111	28
E	1	Males.	181100 1 2 1 1 4 1 1 8 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	49
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			1. Traumatic	
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			Sen With With With With With With With With	
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Table 18. — Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses — Concluded.

	ER.	Totals.		-
	40 AND OVER.	Females.	11111111111111	-
	40 A1	Males.		1
		Totals.		×
	20-40.	Females.	111111111111111111111111111111111111111	~
	Ñ	Males.		e
		Totals.	[11] [1] [[[[[[[[[[[[[[[[27
	15-20.	Females.	1111111111111	
	-	Males.	111111111	٦.
		Totals.	100-11111111111011111111	٠
YEARS.	10-15.	Females.	1 H H I I I I I I I I I I I I I I I I I	~
Y	Ä	Males.	1-111111111111	.72
		Totals.	11-11110111-1011111	×
	5-10.	Females.	[[-]]]]]]]]	4
	, ro	Males.	11111111011111111	4
		Totala.	100011111111111101111111111	22
	3-4.	Females.	101-11111111-11101111111	٥
		Males.	1-0111111111111111111111111111111111111	٥
		Totals.	1600	7.7
	1-2.	Females.	10041111111001111111	2
		Males.	1-20111-1-1111111111111111	=
			su	•
			Traumatic Senile With eerebral arteriosclerosis General paralysis General paralysis With eerebral syphilis With Huntington's chorea With brain tumor With brain tumor With other brain or nervous diseases Alcoholic Due to drugs and other exogenous toxins With pellagra With pellagra Involution melancholia Dementia pracox Dementia pracox Dementia pracox Paranoia and paranoic conditions Epileptic Paranoia and paranoic conditions Epileptic With harter With mental deficiency Undiagnosed Undiagnosed Without psychosis	
			selerosis horea nervous diseases ther exogenous to thiseases lisa oic conditions oursonality	
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	Ė	r L	Traumatic Senile With cerebral arteriosclerosis General paralysis With cerebral syphilis With therebral syphilis With thurdington's chorea With Hundington's chorea With brain tumor Alcoholic Alcoholic Alcoholic Mith other somatic diseases With other somatic diseases With other somatic diseases With pellagra With pellagra With pellagra Branoia and paranoic condi Epileptic Faranoia and paranoic condi Esychoneuroses With psychopathic personali With mental deficiency Undiagnosed	~
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			umatic lie h cereb h cereb h cereb h h cereb h h cereb h h cereb h menta	lea1
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			1.2.2.4.2.6.0.1.2.2.4.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	

Table 19. — Family-care Department.

		Males.	Females.	Totals.
Remaining Oct. 1, 1921		~	10	10
Committed within the year		-	2	2
Whole number of cases within the year		~	12	12
Dismissed within the year	.	-	3	3
Returned to institution	.]		3	3
Discharged		-	-	_
Died	.	_	-	-
Escaped		-	-	-
Remaining Sept. 30, 1922		~	9	9
Supported by State	.	-	7	7
Private		-	2	2
Self-supporting		-	-	-
Number of different persons within the year .		-	10	10
Number of different persons admitted		-	2	2
Number of different persons dismissed		-	3	3
Daily average number		-	8.99	8.99
State		_	7.155	7.155
Private		-	1.835	1.835
Self-supporting		_	_	_



MASS. DOCS.

The Commonwealth of Wassachusetts

ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1923

DEPARTMENT OF MENTAL DISEASES



OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

Mr. Edward C. Gere, Northampton Mr. Harry L. Howard, Hatfield Mr. Joseph W. Stevens, Secretary, Greenfield Mrs. Emily N. Newton, Holyoke Miss Caroline A. Yale, Northampton Luke Corcoran, M.D., Chairman, Springfield Mr. Charles W. King, Chicopee Falls

RESIDENT OFFICERS.

John A. Houston, M.D., Superintendent

EDWARD A. WHITNEY, M.D., Assistant Superintendent Angela Bober, M.D., Senior Assistant Physician

ELIZABETH THOMAS, M.D., Assistant Physician

—— — Assistant Physician —— Assistant Physician

HARRIET W. WHITNEY, M.D., Physician to Out-patient and Social Service Departments

LUCIEN H. HARRIS, D.D.S., Dentist

NONRESIDENT OFFICERS.

Miss Eva L. Graves, Chief Clerk and Treasurer (office at the hospital)

HEADS OF DEPARTMENTS.

Mr. L. W. Sinclair, Engineer

Mr. Frank W. Smith, Steward

Mr. John Daniel, Farmer Miss S. E. Warren, Matron

Miss Lucia Pratt, Social Service Worker

— — Director of Occupational Therapy

CONSULTING BOARD OF PHYSICIANS AND SURGEONS.

E. A. Bates, M.D., Springfield
E. W. Brown, M.D., Northampton
W. J. Collins, M.D., Northampton
D. E. Harriman, M.D., Springfield
R. H. Seelye, M.D., Springfield
H. T. Shores, M.D., Northampton

The Commonwealth of Wassachusetts

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital present herewith their

annual report for 1923.

An appropriation of \$379,460.61 was made by the Legislature for the maintenance of 1,060 patients. The daily average number of patients actually maintained was 1,052 but at times the daily population was much larger than this number; for the four months at the end of the year there was a daily average of 1,075 and the year closed with 1,096 patients in our care.

The high cost of supplies made necessary the most rigid economy. We were enabled to turn back into the State Treasury the sum of \$36,359.82, but this saving was in large part due to a great shortage of employees throughout the year with a consequent expenditure for salaries and wages of a smaller amount

than was appropriated for that purpose.

The amount appropriated for food has for several years been insufficient for our needs. Nothing contributes to the comfort and promotes recovery of the patients so much as a satisfactory diet, and no one thing causes so much dissatisfaction among the employees as a limited dietary. Their food is as much a part of their wages as what they receive in the pay envelope. We base our estimates on the ration allowed per person, the number of persons supported and the estimated cost of food supplies. These are fully considered by us and by the Department in making the budget. It is discouraging to have our estimates arbitrarily reduced beyond what we must

A special appropriation of \$100,000.00 was made by the Legislature of 1923 for the erection of a building to care for female patients of a disturbed type. None of the bids for the construction of the building were low enough for it to be built within the amount appropriated. Revision of the plans with further consideration of cost of materials and study of the bids submitted have shown that an additional sum of \$40,500.00 will be required. Our Board consequently requests an appropriation of this amount. When the appropriation for this purpose was made the Legislature approved of the construction of a similar building for male patients to be undertaken this present year with the understanding that the Legislature of 1924 would make the necessary appropriation. The need of this second building is great. We therefore request an appropriation of \$140,500.00 for this purpose.

An appropriation for land and buildings thereon was made contingent upon an agreement with the owner at a stated price but after the appropriation was made he refused to sell at the price agreed upon. Consequently

the appropriation has remained unexpended.

Our annual reports for years have called attention to the great overcrowding at our hospital and requests for relief have been frequent. The matter is more serious this year than ever. Temporary relief has been provided by the frequent transference of patients to other hospitals outside our district. But the relief thus afforded has been only temporary. Before another transfer is arranged the overcrowding has become more serious than ever and never is the relief adequate. We have at present nearly 300 patients more than we can accommodate.

Our Board frequently in our annual reports of the past twelve or fifteen years has outlined certain plans that might meet permanently the hospital requirements of the four western counties. The plan most favored by us was the establishment of a colony in Berkshire County where patients from that county and perhaps others from adjacent counties might be cared for

P.D. 21.

under the administration and supervision of our hospital with the expectation that in time the colony would become an independent institution to care for all

the patients from its part of the Commonwealth.

It has also been suggested that new buildings be erected somewhere on our hospital property in Northampton (which is as accessible as any place in the four western counties) near enough to the present plant to make use of its power, heating, lighting, cooking, and laundry equipment and its farm. Till within a few years our superintendent has not favored this plan, believing an institution of not more than 600 inmates to be a desirable size. An institution of that size undoubtedly can be administered as economically as a larger one, with the incalculable advantage to the inmates and relatives of a more intimate supervision by staff, subordinate officers, and corps of employees. With the growth of our institution to its present size, now maintaining 1,100 patients, the advantages of the smaller hospital have been lost never to be regained. There seems then to be no objection to the enlargement of the present institution by the addition of five hundred or six hundred beds and our Board offers this plan for consideration as a possible solution of a very serious matter.

In our annual report for last year was recorded the destruction by fire of the club house presented to the hospital by Mrs. L. D. James in honor of Mr. James who was for twenty-four years a valued and efficient trustee of the

hospital.

The club house was a fine memorial excellently adapted to its purpose and was the daily resort of many patients as a relief from the wards, and an objective place for their outing in inclement weather. It was specially valued by them as a place where they might smoke and the smoking privilege was one of the rewards for men who work in the different departments of the hospital where of course smoking can not be permitted. Since its destruction smokers have had to resort to the groves or to the piazza of the women's pavilion for their daily privilege — cold comfort on wintry days. The hope was expressed by us that this building might be replaced. We quote from our last report, "Because of its great usefulness and immeasurable benefit to the patients, and, furthermore, because it was a gift to the hospital which should be perpetuated, it is earnestly hoped that the Legislature will grant an appropriation to rebuild it". The advisability of allowing the use of tobacco by patients who have been accustomed to its use for long periods needs no argument. We were advised a few years ago by the supervisory department to be reasonably liberal in this respect. It seems unreasonable and unwise to limit the privilege now. We therefore request an appropriation of \$8,000.00 for the purpose of rebuilding it.

Further needs of the hospital are as follows and we request that the sums

mentioned be appropriated by the Legislature of 1924:

Extension of the sprinkler system for fire protection. We have estimated that for putting sprinklers in the attic of the first and second halls north and to complete the equipment in the second and third halls south there will be needed the sum of \$7,375.00.

For standpipes for fire protection in the second halls north and south, and the south infirmary will be needed \$2,757.00.

To relocate the steam mains to the farm ward which need replacing will require \$250.00.

To relocate pipes in the tunnel to the laundry will require \$456.00.

Repairs to the roof and new gutters at the north infirmary will cost \$4,150.00. Plumbing material for use of both patients and employees in the basement

between the kitchen and engine rooms will need \$300.00.

A new heater is required for the green house. This will allow of a reduction of the steam pressure now carried in a long line of steam pipe, will reduce the condensation, effecting a material saving in coal, and will afford automatic control. The cost is estimated at \$320.00.

Heating coils for the dining rooms on M. 1. and U. 1. south are necessary for the comfort of patients at meal time. We can make and install them with our own help at a cost for materials of \$193.00.

An electric cable is needed as a feeder to the first, second, and third halls south and to provide for the new building authorized by the Legislature of 1923.

The cost will be \$239.00.

New cables are needed to care for the outside lighting and for the street lights along both roads and walks approaching the hospital. For this is needed \$500.00.

Recording thermometers for the cold storage building will cost \$327.00.

New laundry equipment is made necessary for the increasing number of patients. This includes a tumbler dryer, a press, and a disinfector for mattresses and bedding. The cost of these will be \$4,312.00.

Storm windows are needed on the first halls south, where patients sit. The

cost will be \$165.00.

For weather strips will be needed \$600.00.

For partitions in the cold storage to provide rooms where different temperatures can be maintained will be required \$614.00.

The following changes in the personnel of officers have occurred during the year.

On June 30, 1923, Dr. O. R. Blair resigned as assistant physician.

On October 16, 1923, Dr. Rodriguez Bourgon was appointed assistant physician.

On October 16, 1923 Dr. Elizabeth Thomas was appointed assistant physician. On April 16, 1923, John Daniel was appointed head farmer in place of Mr.

Allen, resigned.

For a more detailed account of the affairs of the institution we refer to the reports of the superintendent and treasurer which are appended to our report as a part of it.

EDWARD C. GERE. HARRY L. HOWARD. JOSEPH W. STEVENS. EMILY N. NEWTON. CAROLINE A. YALE. LUKE CORCORAN. CHARLES W. KING.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

The superintendent's report of the affairs of the hospital for 1923 is hereby respectfully submitted.

CHANGES IN POPULATION.

At the beginning of the hospital year, October 1, 1922, there were 1,289 patients carried on our books of whom 1,051 were in the hospital and 9 in family care, the others being away on visit or escape.

The number of cases admitted during the year was 456 making a total of

1.745 cases on our books.

There were 409 cases dismissed leaving 1,336 cases at the end of the hospital year, September 30, 1923, distributed as follows; 1,080 in the hospital, 9 in family care, 215 on visit, and 32 on escape, most of these latter having been carried on our books for several years.

The daily average population maintained during the year was 1,054.

Admissions.

Of the 456 cases admitted 34 were temporary care and voluntary cases not committed, 82 were readmissions and 340 were first admissions to any hospital for mental diseases. These first admissions are the ones that are reported in our statistical tables.

Of the 340 first admitted to any hospital 200, or 59 per cent, were of foreign

parentage, and 124, or 37 per cent, were foreign born.

The places of nativity of the foreign born patients were as follows: 24 in Canada, 24 in Ireland, 11 in Italy, 11 in Poland, 10 in Russia, 8 in Germany, 4 in Scotland, 7 in England, 7 in Austria, 4 in Greece, 3 in France, 3 in Hungary, and 1 each in China, Spain, Syria, and Turkey.

There were many among the first admissions who were advanced in age, 57 being over seventy years of age, and 22 over eighty years old. One patient was admitted at the age of 97.

The predominating psychoses of all cases admitted were, of dementia praecox 117, senile psychoses and arteriosclerosis 70, manic-depressive 56, general paresis and cerebral syphilis 25, and alcoholic psychoses, 30.

DISMISSALS.

There were 409 patients dismissed as follows; discharged 195, transferred to other hospitals 103, died 111. Of those discharged 68 were classified as recovered, 83 as improved, 27 as unimproved, and 16 as not insane.

The principal causes of death were: cerebral hemorrhage, 32; general paralysis, 18; chronic myocarditis, 16; pulmonary tuberculosis, 6; cerebral

thrombosis, 6; nephritis, 6.

Many of the patients who died were old; 68 of them were over sixty years of age and 22 were over eighty years of age. One man had been a resident of the hospital for thirty-one years, one woman for thirty-three years, and another woman for thirty-eight years at the time of death.

OVERCROWDING.

The outstanding feature relative to our population is the steady increase in the numbers we must care for. This year the number admitted, the daily average number cared for, and the total number under care have been larger

than in any previous year.

No additional accommodations for patients have been provided since 1905 but since then nearly 1,400 patients have been transferred from our hospital to institutions in the eastern part of the state to make room for our increasing numbers, yet in spite of this large number removed we have at present nearly 300 more than we can accommodate.

MEDICAL WORK.

The medical activities of the hospital have been carried on as usual but with a larger number of patients to be cared for than ever before and by a staff fewer in numbers. In each department, male and female, the medical work and supervision has been done by one physician who has had an assistant physician to help him for only part of the year. There is difficulty in finding physicians of satisfactory qualifications willing to accept service in a hospital for treatment of mental cases because it is so unattractive to many. Fortunately there has been no unusual amount of illness throughout the hospital.

The routine analyses, blood and spinal fluid tests, vaccinations against typhoid fever, small pox and the like have been done and anti-syphilitic treatments have been given in some cases of neuro-syphilis and paresis, but our assistant physicians are overworked and at times are under a strain to accomplish anything beyond the routine. They have my sincere appreciation of their

loyalty and devotion to their work.

Care of the patients' teeth has been continued without interruption. A brief report of the dentist's work is as follows: alloy fillings, 712; enamel fillings, 118; rubber plates, 12; plates repaired, 9; prophylaxis, 793; extractions, 395; treatments, 398; treatments completed, 79; gutta percha fillings, 3.

OUT-PATIENT SERVICE.

More has been done in the outpatient department than in any previous year but fortunately we have had a full complement of workers in this service, a physician, a social worker, and an assistant psychologist.

The nature of the work has been described so fully in previous reports that

only brief mention of their doings will be recorded.

Weekly psychiatric clinics have been held regularly at Springfield, Greenfield, North Adams, and Pittsfield in turn. Here individuals come of their own accord for examination and counsel or are sent by physicians, social workers, associated charities, and by the courts. Patients out on visit come to report and relatives of patients in the hospital come to make inquiries and to send messages back to their friends. Quite a number of individuals have been referred to us who were not able to come to the places where the clinics are held; these have been visited at their homes.

It has been our experience that the different charitable agencies have cooperated with us in a very helpful way and we learn that our work is highly appreciated in the different communities where we serve. Cordial and friendly relationship has been established between the hospital and the public and an

increasing confidence in our hospital has been engendered.

One day each week is devoted to the Juvenile Court at Springfield by our assistant, Dr. Whitney, and has seemingly been of much benefit to the officers of the court who have expressed deep appreciation of her services. Requests for similar services have come from other courts which we have been unable to grant because of press of work on our staff. It is a service that ought to be done and will prove very helpful when established as undoubtedly will be

done sometime in the near future.

The school clinics have been kept busy and there is plenty of work ahead in the examination of retarded school children who have been referred to us. Cooperation with the school authorities has been excellent where our clinics have been held and as methods and purposes are better understood it is found that parents are welcoming the new opportunities afforded; there are some communities however from which there has been no response and others where the work is being done irregularly by methods not prescribed by the Commission. There has been noticed a tendency to avoid the necessity of auxiliary classes, if possible, evidently because of the expense involved and without due consideration of the value of such classes to the schools, to retarded children, and to the community in general.

Our social worker has had supervision of patients on visit, making frequent visits to their homes, assisting in their readjustment to home and community, and advising the families as to their physical and mental condition. She attends the clinics, gets additional information for our case histories, investigates home conditions of patients before coming to the hospital, also prior to their going out on trial visit. Much time has been spent with social agencies interested in families of our patients and in all these ways she has assisted the hospitals

of the eastern part of the state who have patients in our district.

The district served by our outpatient workers is large and poorly equipped with railroad and street railway facilities. As a consequence much time is lost in waiting for trains and making train connections and much expense in employing vehicles for transportation. It is often necessary for the workers to

remain away from the hospital over night.

Many more visits could be made by automobile and the workers could thereby return to the hospital at night. With the open season we have had at the time of writing this report it is apparent that an automobile could be used for ten or eleven months in the year at great saving to the state. To increase the number of patients allowed to leave the hospital on probation in the event of being supervised by the social worker would effect so great a saving in maintenance costs of such patients as to more than pay for the expenses of an automobile. A request for one was included in our estimates for the budget, made in the summer months. Since the colder months of the year have come we have realized that a closed car is essential for the long rides of our district but, because, in the haste of making our estimates in the summer, we had failed to request a closed car, we are advised that a request for one cannot be entertained. If a closed car is necessary and advisable, as we believe it is, and if it P.D. 21.

will save money for the state, the fact that it was requested in October or November rather than in August or September should not lead to its refusal. We have from 200 to 230 patients out on visit and under the supervision of the social worker. The use of a car would make it feasible to allow a larger number of patients to make the trial of living in the community, probably contributing to their own support rather than to remain here at an expense to the taxpayers.

The attendance at our outpatient clinics has been larger than ever before. The total attendance was 677. Of these 34 were referred by physicians, 21 by hospitals, 51 by charitable and other organizations, 104 by courts, 250 by schools, 13 by other patients, 23 came with their relatives, and 20 came of their own accord. Patients away from the hospital to the number of 144 reported

for the first time and 330 made other than first visits.

The social service department considered 376 cases during the year, of whom 221 were new ones, 4 were renewals, and 151 were continued from the previous year. One hundred and fifty-five cases were closed during the year.

TRAINING SCHOOL FOR NURSES.

The training school work has been continued under discouraging conditions. There have been few pupil nurses in training and but few properly qualified applicants for the new class. Increasing demands for nurses by the multiplication of hospitals of all kinds, general, special, private and state, and the nature of the work are the reasons given for the scarcity of applicants. The same reasons also explain an existing scarcity in our institutions of attendants of good character.

There are three of our nurses taking the additional year at the affiliating hospital, the State Infirmary at Tewksbury. Five of our graduates are still in our service, all the others having been tempted away by marriage or by

positions elsewhere, that seemingly offer greater inducements.

OCCUPATIONAL THERAPY.

Activities have continued throughout the year in the line of occupational and industrial therapy under the supervision of three teachers. There is nothing new to report. As for many years the patients have been given instruction in the various arts and crafts that are found stimulating to convalescents.

Patients have been usefully employed in every department of the hospital, especially in the out-of-doors work contributing not only to the general welfare but especially to their own individual comfort and hastening their recovery.

Assemblies of Patients.

Entertainments have been provided regularly: moving pictures once a week or oftener, dancing during the cooler months of the year, observation of holidays and special occasions, concerts, sleight-of-hand and ventriloqual performances and the like. On Halloween was a party with games and "eats" in the hall, prettily decorated for the occasion. Thanksgiving and Christmas had special turkey dinners and on Christmas Eve there was a concert, and a Christmas tree with distribution of presents to everyone. A special service in honor of President Harding commemorated his death. There were numerous concerts and entertainments provided by Mr. Burton Noble, the entertainers coming from Springfield; the Northampton High School gave an excellent play, "The Woman Who Did"; McCallum's Band gave an evening's entertainment; the Clef Club from Northampton gave two concerts, and various other entertainers amused us. To all the entertainers who gave their services we express our grateful appreciation.

On each Lord's Day were two assemblies of patients for religious services,

Catholic and Protestant.

In all there were two hundred and eight assemblies of patients and in each one music formed some part of the service.

FARM.

9

Farm production has not been so favorable as hoped for. A prolonged drought during the early summer affected some of our crops quite seriously.

There was a fair yield of potatoes. If there be deducted two acres which were very unproductive, the fifteen other acres yielded well, about 190 bushels per acre. The crop of onions matured early because of the dry weather, producing about half the crop expected, and the same was true of strawberries, which set well but from lack of moisture matured only half the usual yield. The hay and ensilage crops also suffered from the dry weather. The apple crop was a failure, less than 40 barrels being gathered where the number should have been in the hundreds.

To offset some of these failures there were good crops of other products. The sunny dry weather was very favorable for the tomatoes and a large and fine yield was had; so also of cabbage and squash; 16 tons of the former and

39 tons of the latter being gathered.

We are pleased at the exceptionally fine showing of our herd in the pro-

duction of milk.

The total production of milk for the past year from the 55 cows was 745,249 pounds, an average of more than 13,000 pounds per cow. The average yield per cow has increased steadily in the past three years as follows; 8,460 pounds, 8,822 and 13,452. This has been accomplished by taking out of the herd the low producers, by improved methods in feeding, and by good care, but in large measure also because of the attention given by our steward, our head farmer, and our herdsman.

Some of the cows gave an average of more than 15,000 pounds of milk, one

cow giving 19,830 pounds.

There are now in our herd 112 animals; 55 cows, 29 heifers, 24 calves, and 4 bulls, about 75 per cent of which are registered. The others are too valuable to get rid of but it is hoped gradually to replace grade cows by registered stock.

Nine grade calves and 15 registered calves were raised during the year. Three registered bull calves were sent to other state institutions and four pure bred bull calves were sold to farmers in our neighborhood.

REPAIRS AND IMPROVEMENTS.

Much has been done in the way of repairs and improvements, the principal items of which are here recorded for convenience of reference in the future.

New fire apparatus was purchased as follows;

A 45 foot extension ladder, two 20-foot roof ladders, a truck for the 60-foot extension ladder, two 40-gallon chemical fire extinguishers on wheels, four Phomene 2½-gallon fire extinguishers, and six Alaskan 2½-gallon non-freezing

fire extinguishers.

Automatic sprinkler systems were installed in the basement and attic of the administration building and in the attic of the first halls and parts of the second halls south. To supply these the old stand fire pipe in the administration building from basement to attic was replaced with a larger one and connections outside were made with the fire main that surrounds the main group of buildings.

A connection from the old 6-inch water supply main was made to the suction

line of the fire pumps.

Pipes were laid from the fire main to supply the stand pipe in the stairways of the third halls north, the north infirmary, the rear center building, and the third halls south.

The nipples in all hydrants were replaced with others having National Standard threads so that they can be used by the City Fire Department's apparatus.

The old hydrants that were connected to our service main but not to the fire

main were removed. .

Indicator posts were installed on pipe lines to stand pipes in the first halls

north, first halls south, and south infirmary.

A new generating unit was installed in the engine room and a switch board with two panels. The engine of 120 H.P. was made by the Skinner Engine Company and the generator of 75 K.W. capacity alternating current was made by the General Electric Company.

New exhaust mains to care for all three engines were laid.

A water front on No. 2 boiler was replaced; flue gas recording thermometers were installed on all four boilers; water level regulators were installed on No. 1 and No. 2 boilers; a draft guage was installed on No. 4 boiler; a new damper regulator for the boilers was installed; several sections of the soot blowers were replaced.

A heating coil at the piggery and a radiator in the stairway of the third halls north were installed; the steam main to the third halls south were regraded and set on roller supports, and the pipes were covered with insulation; the steam supply and return mains to the third halls north were covered with

insulation.

A new line of wire, a feeder circuit, was installed through the basement corridor from the engineroom to the basement of the administration building to replace the old one that went underground across the yard; the coach barn was rewired in conduits; a conduit was laid through the tunnels to the nurses' homes to take the telephone wires; the corridor and rooms in the cold storage building were rewired; the power and lighting cables in the laundry tunnel were hung on brackets; a beginning was made of the rewiring in the basement of the administration building; a new motor was installed on the potato peeler; the house occupied by the storekeeper was wired for electric lighting.

New water supply pipes were laid in the administration building from basement to attic, to the passenger elevator, and a 4-inch pipe to the basement of the third halls south; new valves were installed in the water supply to the barns and laundry, and piping was changed so that either line can be shut off separately; water connection was made to the tenement on Grove Street.

A new rectifying tank for the ice machine and a double piped condenser

were installed and a set of coils in the absorber was replaced.

A section of the plunger of the passenger elevator was replaced after being resurfaced.

The tunnel to the laundry was enlarged for a distance of 260 feet by raising the top and making it square in section instead of arched to afford more room

for pipes and wires.

Cement floors were laid in the calf barn; new cement steps and loading platform were laid at the door of the storehouse; several yards of pavement were replaced in front of the storehouse; cement foundations and floors were laid for a new silo; a concrete conduit was laid in the basement floor under the third halls south for pipes and wires.

There were purchased and installed a machine for making cement blocks, a portable electric drill, a spare motor for the laundry extractors, a recording thermometer for outside temperatures, two aluminum kettles for cooking cereals.

A new plunger pump was installed at the spring house.

A booth was made and erected in the chapel for moving pictures.

Many friends have presented books and magazines and money for the purchase of presents for the Christmas tree to be given to patients who have no near relatives. We are especially grateful to the following persons and express the hope that the pleasure of giving is sufficient reward; Dr. and Mrs. W. T. Parker, Mr. N. Lyman Elmer, Mr. John D. Foley, Mrs. Mary R. Baxter, Nellie Ford, Anna Cassidy, George Joslyn, Miss Cutter, and Miss Tyler.

Respectfully submitted,

VALUATION

NOVEMBER 30, 1923.

D	ESTATE.

Land (513 acres) Buildings .	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	\$127,553 915,329	
						D		D								;	\$1,042,883	72
						PERS	ONAL	PRO	PERT	Y.								
Travel, Transport	ation	and	Office	e Sur	plies												\$2,347	
Food																	16,567	11
Clothing and Mat	erials																18.258	46
Furnishings and I			Supp	olies													97,193	78
Medical and Gene	ral C	are															1,629	63
Heat, Light and I	Power	r.															12,380	
Farm																	29,887	
Garage, Stable an	d Gr	ound	8														8,724	
Repairs			٠.			:	i						Ċ		- 1		21,746	
•													•	•			,	
																	\$208,734	42
							SUM	MARY	٠.								0-0-,2	
Real Estate .																4	1.042,883	79
Personal Property		•	•	•	•	•	•	•	•	•	•	•	•	•		• 4	208,734	
a cisonal Troperty	•					•	•			•	•	•	•	•	•	•	200,734	44
																	1,251,618	14
																4	1,401,018	14

TREASURER'S REPORT.

To the Department of Mental Diseases.

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1923.

	C	ASH .	Acc	OUNT					
Balance December 1, 1922									\$10,847 87
Income.		Rec	ceipt	8.					
Board of inmates:						\$51,457 9	.1		
Reimbursements, insane	÷	÷	÷	÷	÷	27,398 2			
							_	\$78,856 21	
Personal services: Reimbursement from Board of Retirem	ont							85 45	
Sales:	СПС	•	•	•	•		•	33 40	
Food						\$463 6			
Clothing and materials			•		•	37 5 5 0			
Farm:	•	•		•	•	3 0	U		
Cows and calves				\$140					
Hides				93	90	233 9	0		
Repairs, ordinary						246 7			
Arts and crafts sales	·		·			139 5			
							-	1,126 32	
Miscellaneous: Interest on bank balances						\$522 5	=		
Rent	•	•	•	•	•	766 0			
1000	•	•	•	•	•		_	1,288 55	
									81,356 53
Other receipts: Refunds of previous year								#100 FO	
Refunds of previous year	•	:	•	•	•		٠	\$120 50 25 47	
riciando account viageo anciannos .	٠	•	•	•	٠		•		145 97
Receipts from Treasury of Commonwea	lth.								
Maintenance appropriations: Balance of 1922								Ø5 512 00	
Advance money (amount on hand Nov.	30)	•	•	•	•	•	•	\$5,513 99 289,511 29	
	,	•	•	•	•		•		295,025 28
Total									\$387,375 65
10tai	•	•	•	•	•		•	• •	\$307,375 03
		Pay	men	ts.					
To treasury of Commonwealth:									
Institution income	•	•	٠	•	٠		٠	\$81,356 53 120 50	
Refunds account wages unclaimed	:	:	:	•	:	: :	:	25 47	
		٠	·	•	•		•		\$81,502 50
Maintenance appropriations: Balance of schedules of previous year.								\$16,361 86	
Approved schedules of 1923	:	:	:	:	•	: :	•	289.511 29	
	•		•		•	•	•		305,873 15
Total									\$387,375 65
Tutai	•	•	•	•	•		•		\$001,010 DD

12	3.5								P.D. 5	21.
Balance from previous year, brought Appropriation, current year	forward	AINTEN	ANCE.	:	: :	:	:	: :	\$6,885 372,575	
Total	: :	: :	:	:	: :	:	:	: :	\$379,460 343,100	
Balance reverting to Treasury of	f Commonw	ealth							\$36,359	82
	A naly	sis of I	Expens	es.						
Personal services Religious instruction Travel, transportation and office experior Food Clothing and materials Furnishings and household supplies Medical and general care Heat, light and power Farm Garage, stable and grounds Repairs, ordinary Repairs and renewals Total expenses for maintenance	enses .								\$139,855 1,230 5,702 66,633 7,658 23,141 10,685 36,433 17,944 3,643 13,470 16,701	00 83 16 76 58 83 36 73 16 48 33
Appropriations for current year . Expended during the year (see stater	SPECIAL nent below)		PRIATI	ONS.	: :	:	:	: :	\$104,000 95	00 50
Balance November 30, 1923, car	ried to next	year							\$103,904	50
Orject.	Act o Resolv			ole ount.	Experior during Fiscon Yes	ing cal	expe	otal aded to late.	Balanc at End Year.	of
Two Ward Buildings Purchase of Courtney Property	Chap. 126 Chap. 126			000 00	\$95	50	s	95_50	\$99,904 4,000	
			\$104,	000 00	\$95	50	\$	95 50	\$103,904	50

STATISTICAL TABLES.

AS ADOPTED BY AMERICAN PSYCHIATRIC ASSOCIATION.

PRESCRIBED BY MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES.

Table 1. — General Information.

			LAB	LE: 1	. —	Ge	nero	u 1	$n_{J}or$	mai	non				
2.	Date of opening as an Type of institution: S Hospital plant:	tate.					_	. 16,	185	8.					
	Real estate, includir Personal property	ng build	lings	and b	etter	men	ts.	:	:	•:	:	:	: :		8,018 67 8,734 42
	Total													. \$1,24	6,753 09
	Total acreage of hospir Acreage under cultivat	tal prop	perty,	513 ear,	}. 145.										
4	Medical service:												Men.	Women.	Totals.
4.	Superintendents Assistant physicians												1	- 3	1 5
	Dentist	: :	÷	:	:	:	:	:		:		:	ĩ	-	ĭ
	Medical internes Clinical assistants		•			•					•		-	_	-
	Climeat assistants		•	•	•	•	٠	•	•	•	•	٠.			
-	Employees:												4	3	7
٥.	Graduate nurses												_	5	5
	Other nurses and att	endant	s.				Ċ	Ċ	·		·	·	31	19	50
	Social workers . All other employees			•	•	•	•	•	•	٠	٠	•	43	$\frac{1}{31}$	1 74
	An other employees		•	•	•	•	•	•	•	•	•	٠.	45		
													74	56	130
6.	Percentage of patients	employ	zed dı	uring	year								73.23	63.00	68.11

Table 2. — Financial Statement.

See treasurer's report for data requested under this table.

Table 3.— Movement of Patient Population for the Year ending Sept. 30, 1923.

6	T.	1,289 734 79 453 453 453 453 1,745 68 88 88 88 88 88 88 1,745 103 111 11 11 11 11 11 11 11 11 11 11 11 1
AGGREGATE	Fi	670 189 231 231 231 232 334 348 348 348 348 348 348 348
A	M.	619 185 232 232 851 30 851 17 69 69 69 69 60 60 60 11 11 87 11 87 11 87 11 87 11 87 11 87 11 87 11 87 11 11 87 11 11 11 11 11 11 11 11 11 1
JARE TION FED.	Ţ.	1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
TEMPORARY CARE AND OBSERVATION NOT COMMITTED.	E4.	1 11-21 221 12-18
TEMP AND (Ä.	1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
TARY.	T.	
SANE, VOLUNTARY.	Œ,	
SANE	₩.	1 0 100 1000 1 1 10 1 10 1 4 4 10 10 1 1 1 1
	T.	1,288 415 418 418 1,706 62 75 76 77 78 1,706 1,278 63 1,043 7 1,076 825 1,076 825 1,076 1,697 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
INSANE.	F.	670 175 31 209 879 879 86 684.54 176 178.72 118.72 118.72 118.72 118.72 119.9 12.2 1.2 1
	M.	618 441 441 209 827 32 32 32 32 32 32 38 69 69 69 629 87.35 87.35 87.35 87.35 74 87.35 97 74 87.35 97 68 69 69 69 69 69 69 69 69 69 69
		Patients on books on institution Sept. 30, 1922 165 17

Table 4. — Nativity of First Admissions and of Parents of First Admissions.

			Nati	VITY.					P	ATIENT	rs.		RENTS Male ATIENT		OF	ARENT FEMA	LE
									М.	F.	т.	м.	F.	т.	м.	F.	т.
United St. Austria Canada China England France Germany Greece Hungary Ireland Italy Poland Russia Scotland Spain Turkey in									96 5 9 1 5 - 5 3 2 11 6 8 7 4 - 1	119 2 15 - 2 3 3 1 1 13 5 3 4 1 -	215 7 24 1 7 3 8 4 3 24 11 11 10 8 1	61 6 16 16 - 9 3 2 26 6 9 10 5 - 1	59 7 15 1 5 - 9 3 2 30 6 9 9 4 - 1 1	120 13 31 2 11 - 18 6 4 56 12 18 19 9	76 24 - 3 44 7 1 1 36 7 4 3 3 1	71 2 30 - 1 4 55 1 1 39 7 4 3 3 1 - -	147 4 54 - 4 8 12 2 75 14 8 6 6 2 -
Total Unascerta			orn	:	:	:	:	:	68 1	56	124 1	101	102 4	203 7	96	101	197 6
Grand	l tota	al							165	175	340	165	165	330	175	175	350

Table 5. — Citizenship of First Admissions.

									М.	F.	T.
Citizens by birth Citizens by naturalization									96	119	215
Citizens by naturalization		•							27	22	49 68
Aliens	•	•							39	29	68
Citizenship unascertained	•	•	٠	•	٠	•	•	•	3	5	8
Total									165	175	340

Table 6. — Psychoses of First Admissions.

	Psychoses.		-					М.	F.	т.	М.	F.	т.
1.	Traumatic, Total										3	_	3
	Traumatic constitution							2	_	2			
_	Post-traumatic mental enfeeblemen	ıt					- 1	1	-	1			
2.	Senile, Total										16	24	40
	Simple deterioration							5	7	12			
	Presbyophrenic type							5	4	9	il		
	Delirious and confused types .							2	3	5 5			
	Depressed and agitated states.							1	4	5			
	Paranoid types							3	6	9			
3.	With cerebral arteriosclerosis .										13	15	28
4.	General paralysis						.	١		١	13	6	19
5.	With cerebral syphilis									١	2	3	5
6.	With Huntington's chorea								١		-	_	_
	With brain tumor								1		- :	-	_
8.	With other brain or nervous diseases,	To	tal								- 1	4	4
	Cerebral embolism			·	- :	· ·		· ·	i	1		_	_
	Cerebro-spinal syphilis		i.					_	3	3			
9.	Alcoholic, Total		i.	-							19	4	23
	Korsakow's psychosis		· ·		•			2	i	3		_	
	Acute hallucinosis	•	•	•	•	•	٠,	12	$\bar{2}$	14			
	Chronic hallucinosis	•	•	•	•	•	- 1	2	_	2			
	Acute paranoid type	•	•	•	·	•	- :	1		1			
	Chronic paranoid type	•	•	•	•	•	:	2	1	3			
ın	Due to drugs and other exogenous to	vine	. •	•	•	•	٠, ا	_	1				_
11	With pellagra		•	•	•	•	٠,	٠.,	: : :			1	1
19.	With pellagra With other somatic diseases, Total	•	•	•	•	•	•				6	7	13
٠.	Post-infectious psychosis	:	•	•	•	•	•		. 3	. 3	"	•	10
	Exhaustion delirium	•	•	•	•	•	•	2	1 1	3			
	Delirium of unknown origin	•	•	•	•	•	•	_	l i	1			
	Cardio-renal disease	•	•					4	2	6			
	Cardio-renar disease	•	•	•	•	•	•	4		0			

Table 6. — Psychoses of First Admissions — Concluded.

	Psyc	HOSE	s.		•			M.	F.	T.	М.	F.	т.
13. Manic-depressive, Total										Ī	14	27	41
Manic type								6	6	12			İ
Depressive type .								6	10	16			
Stupor								_	3	3			
Mixed type							. 1	_	3	3			
Circular type								2	5	7			
14. Involution melancholia											4	6	10
15. Dementia præcox, Total											53	48	101
Paranoid type								18	22	40			
Catatonic type								19	10	29			
Hebephrenic type .								11	9	20	1 1		
Simple type							.	5	7	12			
16. Paranoia and paranoid co	nditio	ns					.				1 – 1	-	_
17. Epileptic, Total											1	4	5
Deterioration							.	1	1	2	l i		
Clouded state								_	3	3			
18. Psychoneuroses, Total										l	-	6	6
Hysterical type .								-	$\frac{2}{2}$	2			
Psychasthenic type								-	2	2	1 1	1	
								-	2	2	1		
19. With psychopathic person	ality									١ ا	1	2	3
20. With mental deficiency											7	5	12
21. Undiagnosed											6	9	15
22. Without psychosis, Total	÷										7	4	11
Psychopathic personalit	y with	hout	psyc	hosis				1	2	3			
Mental deficiency witho								6	1	7			
Senility without psycho									1	1			
, F., f.							٠,						
Total											165	175	340

Table 7. — Race of First Admissions classified with Reference to Psychoses.

RACE.	7	COTAL		Tr.	AUMA	TIC.	s	ENILE		BRAI	H CE ART LERO	ERI-		ENER.	
	М.	F.	т.	М.	F.	т.	М.	F.	т.	М.	F.	т.	М.	F.	т.
African Chinese Dutch and Flemish English French German Greek Hebrew Irish Lithuanian Lithuanian Magyar Scandinavian Scotch Slavonic Spanish Syrian Mixed Total	4 1 -9 15 8 3 4 30 6 1 5 -5 17 -2 55	2 -1 3 25 8 1 1 37 7 1 1 -6 7 1 -7 4	6 1 1 12 40 16 4 5 67 13 2 6 - 11 24 12 2 129	1 1 1 1		- - 1 - - - 1 1 - - - 1 1 - - - - - - -	1 1 3 1 3 3 1 1 6 16	 3 1 4 16	1	1 2 3 3 1 1 6	- - 1 1 - - 1 - - 1 - - 1 1 - - - 1 1 - - - 1 1 -	- - 1 3 1 - 4 - 1 1 1 - 17	1 	1	2 - 3 4 1 1 - - - - - 7

 $\begin{array}{c} {\rm Table} \ 7. - Race \ of \ First \ Admissions \ classified \ with \ Reference \ to \ Psychoses -- \\ {\rm Continued.} \end{array}$

16

RACE.	C	With EREBE YPHIL	AL	Br	H OT RAIN ERVO (SEAS)	OR US	AL	соног	IC.	PE	LLAGI	RA.	So	OMATI	c.
	М.	F.	т.	м.	F.	т.	М.	F.	T.	М.	F.	т.	М.	F.	T.
African Chinese Dutch and Flemish English French German Greek Hebrew Irish Italian Lithuanian Lithuanian Scotch Slavonic Spanish Syrian Mixed Total	1		1 3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- - - - 1 - - - - 3	1 3	1 1 1 2 - 3 - 1 - 8 - 2 2	3	1 1 2 - 6 - 1 3 3 23		1	1		1 6	- - - - 1 2 - - 1 1 1 - 8

Table 7. — Race of First Admissions classified with Reference to Psychoses — Continued.

RACE.		Manic PRESS			OLUT			EMENT RÆCO		Er	PILEPT	ıc.		SYCHO	
	М.	F.	T.	М.	F.	T.	М.	F.	T.	М.	F.	т.	М.	F.	T.
African Chinese Dutch and Flemish English French German Greek Hebrew Irish Italian Lithuanian Magyar Scandinavian Scotch Slavonic Spanish Syrian Mixed Total	- - 2 2 2 - - 3 - - 1 1 1 4			2 2 - 4	- - 1 1 1 1 - - - - - - - 1	1 1 1 - 4 3 10	1 	1 1 1 9 2 1 - 8 2 1 1 - 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 -1 4 10 3 4 3 19 5 2 4 -1 8 1 1 3 3		- - 2 - - 1 1 1 - - - - - - - - - - - -	- - 2 - - 1 1 - - - - 1 1 - - - 1 5	111111111111111111111111111111111111111	1 2 1 2 2 - 6	1 - 2 - 1 - 2 - 6

Table 7.— Race of First Admissions classified with Reference to Psychoses—Concluded.

	RACE.							Psy HIC P		I M	With Ienta ficien	.L	Und	IAGN	OSED.		ITHOU YCHOS	
							м.	F.	т.	М.	F.	т.	м.	F.	т.	М.	F.	T.
African . Chinese . Dutch and English . French . German Greek . Hebrew . Irish . Lithuanian Magyar . Scandinavia . Scotch . Slavonic . Spanish . Syrian . Mixed .		nish					1	1	1	2 - 2 - 1 - 2	1 1	2 1 - 4 2 3	1 1 1	1	- - 2 1 - 3 1 - - 1	1	1	1 1 9
Total			•				1	2	3	7	5	12	6	9	15	7	4	11

Table 8. — Age of First Admissions classified with Reference to Principal Psychoses.

Psychoses.	Т	Тота	L.		DER EAR			15-19 EAR			20-24 EAR			25-29 EAR	
	М.	F.	T.	М.	F.	Т.	М.	F.	T.	М.	F.	т.	M.	F.	т.
1. Traumatic 2. Senile 3. With cerebral arteriosclerosis 4. General paralysis 5. With cerebral syphilis 6. With Huntington's chorea 7. With brain tumor 8. With other brain or nervous disease 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra 12. With other somatic diseases 13. Manic-depressive 14. Involution melancholia 15. Dementia præcox 16. Paranoia and other paranoid conditions 17. Epileptic 18. Psychoneuroses 19. With psychopathic personality 20. With mental deficiency	3 16 13 13 2 19 - 6 14 4 4 53 - 1 7	24 15 6 3 4 4 4 -1 7 27 6 48 -4 6 2 5	3 400 28 199 5 4 23 - 1 13 41 10 101 - 5 6 3 12	1	1 1 1		6	1 1 3 3 - 1	1 1 9	9 9 1 1 1 1 1 1	1 3 3 3	- - - - - 1 5 - 12	- - 1 1 - - 2 2 - 11		1 1 3 3 1 15 2 11 2
21. Undiagnosed	6 7	9	15 11	1		1	1 2	<u>-</u>	1 2	1	2 -	$\frac{\tilde{2}}{1}$	1	î	2 2 2
Total	165	175	340	2	3	5	10	7	17	14	10	24	19	15	34

 $\begin{tabular}{ll} \textbf{Table 8.} -- Age of First Admissions classified with Reference to Principal Psychoses \\ -- Continued. \end{tabular}$

Psychoses.		30-34 EAR			35-39 EAR			40-44 EAR			45-49 EAR			50-54 EAR	
	М.	F.	т.	М.	F.	т.	м.	F.	T.	М.	F.	т.	М.	F.	т.
1. Traumatic 2. Senile 3. With cerebral arteriosclerosis 4. General paralysis 5. With cerebral syphilis 6. With Huntington's chorea 7. With brain tumor 8. With other brain or nervous discases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra 12. With other somatic diseases 13. Manic-depressive 14. Involution melancholia 15. Dementia præcox 16. Paranoia and other paranoid conditions 17. Epileptic 18. Psychoneuroses 19. With psychopathic personality 20. With mental deficiency 21. Undiagnosed	5 11 2	1		2 2 2 2 4 1 - 6		2 2 2 2 1 5 - 13	2 - 2 - 2 - 2 4	21 112255	2 - 3 2 3 3 - 1 1 4 4 - 9 - 1	1 - 4 2 - 1 - 2 2 2 2 2	1 5 1 6 - 1 2 1 1	1 7 1 2 1 5 3 8 1 - 2 3 3	2 2 - 1 1 - 3 3	1 1 4 1	- - 1. - - 3 - - 1 1 1 7
22. Without psychosis	19	14	33	17	16	33	12	15	27	14	$\frac{1}{21}$	35	7	- 8	15

 $\begin{array}{ll} {\bf TABLE} \ 8. \ -- \ Age \ of \ First \ Admissions \ classified \ with \ Reference \ to \ Principal \ Psychoses \\ \ -- \ {\bf Concluded}. \end{array}$

Psychoses.		55-59			60-64 EAR			65-69 EAR			70-74 EAR			YEA D Ov	
	М.	F.	т.	м.	F.	т.	М.	F.	т.	м.	F.	т.	М.	F.	т.
1. Traumatic 2. Senile 3. With cerebral arteriosclerosis 4. General paralysis 5. With cerebral syphilis 6. With Huntington's chorea 7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra 12. With other somatic diseases 13. Manic-depressive 14. Involution melancholia 15. Dementia præcox 16. Paranoia and other paranoid conditions 17. Epileptic 18. Psychoneuroses 19. With psychopathic personality	3	1 1 2 4	31	3 1 1 2 2	- - 1 1 1 - - - 1 4	- 3 1 1 1 1 1 1 3 3 - 4	2 6 1 1 2 1 1	1 - - - - - - - - - - - - - - - - - - -	6 8 8 1 1 1 2 1 1 2 1 1	3 1	7 1 1 1 1	10 2 1 1 1 1 1	11 3 1 1	13 12 1 1	1
20. With mental deficiency	- -	1	- 1 1	-	1	1	2 1	-	- 2 1	-	-	-	- 1	-	- 1
Total	8	11	19	7	9	16	15	10	25	4	10	14	17	26	43

Degree of Education of First Admissions classified with Reference to Psuchoses. TARLE 9.

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ence	യ്	M.	2111111111141101	21
rejer	٠,	T.	12411 145 145 165 165 165 165 165 165 165 165 165 16	174
u un	Common School.	표.	12882-1142112448812722-7-1	86
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Laucation of First Aamissions classified with reference to Esychoses	ę.	T.	151 88 86 66 66 111 1 1 1 1 2 2 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4	87
cra	READS AND WRITES.	F.	12 0 0 0 0 1 1 1 1 1 1 2 4 1 0 1 2 1 1 1 1 1 2	37
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Table 10. — Environment of First Admissions classified with Reference to Principal Psychoses.

,	7	COTAL		τ	JRBAN	٧.	F	URAI	
Psychoses.	М.	F.	т.	М.	F.	т.	М.	F.	т.
1. Traumatic 2. Senile 3. With cerebral arteriosclerosis 4. General paralysis 5. With cerebral syphilis 6. With Huntington's chorea 7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra 12. With other somatic diseases 13. Manic depressive 14. Involution melancholia 15. Dementia præcox 16. Paranoia and paranoid conditions 17. Epileptic 18. Psychoneuroses 19. With psychopathic personality 20. With mental deficiency 21. Undiagnosed 22. Without psychosis Total	3 16 13 13 13 2 - - 19 - 6 14 4 4 53 - 17 6 7	24 15 6 3 - 4 4 - 1 7 27 6 48 - 4 6 2 5 9 9 4	3 40 28 19 5 - 4 23 - 1 1 10 101 - 5 6 3 12 15 11	2 11 8 10 2 18 5 9 1 33 6 4 4	- 16 12 6 1 - 4 3 - 1 5 15 33 - 4 3 1 4 6 3 - 1 26	2 27 20 16 3 4 21 -1 10 28 66 -5 3 10 10 7	1 55 3 	-8 3 -2 1 1 2 8 1 1 15 3 3 1 1	1 13 8 3 2 2 3 13 4 35 3 2 2 5 4
Total	100	175	340	114	120	240	91	49	100

 $\begin{tabular}{ll} Table 11.-Economic Condition of First Admissions classified with Reference to \\ Principal Psychoses. \end{tabular}$

Psychoses.	Т	'OTA	L .	PE	De-		Мл	RGIN	TAL.		MFO			IASCI	
	м.	F.	т.	м.	F.	т.	М.	F.	Т.	м.	F.	T.	м.	F.	т.
1. Traumatic 2. Senile 3. With cerebral arteriosclerosis 4. General paralysis 5. With cerebral syphilis 6. With Huntington's chorea 7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra 12. With other somatic diseases 13. Manic-depressive 14. Involution melancholia 15. Dementia præcox 16. Paranoia and paranoid conditions 17. Epileptic 18. Psychoneuroses 19. With psychopathic personality 20. With mental deficiency 21. Undiagnosed 22. Without psychosis	3 16 13 13 2 - - 19 - 6 14 4 4 53 - 1 7 6 7	- 24 15 63 4 4 4 - 1 27 6 48 4 6 2 5 9 4	3 40 28 19 5 4 23 - 1 13 41 101 - 5 6 3 12 15 11	1 1 2 1 2	511	61 11 31 55 - 2 11 - 3	3 10 11 11 1 1 - 18 - 4 8 3 37 - 1 5 5 5	-12 10 5 3 3 20 3 37 -4 22 4 7	3 22 21 16 4 - - 3 20 - 7 28 6 74 - 5 2 3 9 12 6	5 1 1 - - 1 4 4 12 - 1 1 2	7 4 1 1 1 2 - 1 4 6 3 8 8 2 2 2 2 2	12 5 1 1 1 2 - 1 5 10 3 20 - 2	1 1 2 1		1 2 1 1 1 1 1 1
Total	165	175	340	7	16	23	123	118	241	28	41	69	7		7

Table 12.— Use of Alcohol by First Admissions classified with Reference to Principal Psychoses.

Psychoses.	r	ота	L.	Ав	STINI	ENT.		TEM ERAT			NTEN ERAT			ASCI	
	М.	F.	Т.	м.	F.	т.	М.	F.	т.	М.	F.	T.	М.	F.	T.
1. Traumatic 2. Senile 3. With cerebral arteriosclerosis 4. General paralysis 5. With cerebral syphilis 6. With Huntington's chorea 7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra 12. With other somatic diseases 13. Manic-depressive 14. Involution melancholia 15. Dementia præcox 16. Paranoia and paranoid conditions 17. Epileptic 18. Psychoneuroses 19. With psychopathic personality 20. With mental deficiency 21. Undiagnosed 22. Without psychosis	3 16 13 13 2 - - 19 - 6 14 4 53 - 1 7 6 7	-24 15633- -444 -1727648 -46622594	3 40 28 19 5 4 23 - 1 13 41 101 - 5 6 3 12 15 11	1 8 3 1 1 3 2 27 - 1 1 2 2 3 5	- 19 13 2 3 3 1 7 22 4 40 - 3 6 2 4 7 3	1 27 16 3 4 - 3 - 3 - 1 7 25 6 67 - 4 6 10 8	1 5 10 7 1 4 9 9 2 21 5 2 2	- 3 1 3 - - - 5 2 5 - 1 - 1 - 1 - 1	1 8 11 10 1 4 14 4 26 - 1 5 3 3 3	1 2 4 19 - 2 2 2 4 1 1 - 1 - 1	4	1 2 5 5 - - 23 2 2 7 - - - 1	1	2 1 1 - - - - - - 1 1	3 1 1 1 1 1
Total	165	175	340	58	139	197	69	23	92	35	8	43	3	5	8

Table 13.— Marital Condition of First Admissions classified with Reference to Principal Psychoses.

	.	Ţ.		-
	Unascer- tained.			1
	U _N ,	M.	1111111111111	-
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3	Separated.		[က
7	SEPA	Μ.	-111111111111111111111111111	2
3		T.	111111111111111111111111111111111111111	26
2	Widowed.	E.	19891111111118891111111	37
2	Wid	M.	1 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	19
3		F.	148 148 113 113 113 114 117 117 118 118 118 118 118 118 118 118	127
3	Married.	<u> </u>	1000111001144001141141	65
	MA	M.	17.7282111011894II111141	62
2		Ŧ.	10 10 10 10 10 11 11 11 11 11 11 11 12 12 13 14 14 14 14 15 16 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	145
0000	SINGLE,	<u>г</u>	104	99
77	Sı	M.	1420 0 1 4 0 1 1 1 2 0	62
5		Ŀ.	288 288 119 119 111 111 112 112 113 113 115 115	340
3	Total.	[년	1470001144117700014004	175
2000	T	M.	8 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	165
				•
3				•
3			1. Traumatic. 2. Sanile 3. With derebral arteriosclerosis 4. General paralysis 5. With cerebral syphilis 5. With Auntington's chorea 7. With Prain tumor 7. With Prain tumor 8. Mith other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With other somatic diseases 12. With other somatic diseases 13. Manic-depressive 14. Involution melancholia 15. Dementia pracox 16. Paranoia and paranoid conditions 17. Epileptic 18. Sychometroses 19. With psychopathic personality 19. With psychopathic personality 21. Undiagnosed 22. Withhout psychosis	•
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			1.22.4.7.7.7.9.9.0.1.2.2.4.7.3.7.2.9.2.2.2.9.9.1.2.2.4.7.3.7.2.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9	

Table 14. — Psychoses of Readmissions.

	Psychoses.						М.	F.	T.	М.	F.	T.
1	Traumatic									_	_	
	Senile	•	·	·	·	•				_	_	_
3	With cerebral arteriosclerosis	•	·	·	·	•				2	3	5
	General paralysis		·	·	·					ī	ĭ	2
5	With cerebral syphilis	:		·	·						î	ĩ
6	With Huntington's chorea		•	·						- 1	_ 1	_
		•	•	•	•	•			!	_	_	_
8.	With brain tumor	•	•	•	•	•	' '	' '		_	_	_
ä.		•	•	•	•	•				7	_	7
٠.	(c) Korsakow's psychosis	•	•	•	•	•	1	· -	1	'		•
	(d) Acute hallucinosis	•	•	•	•	•	5		5			
	(f) Acute paranoid type	•	•	•	•	•	1	_	1			
10	Due to drugs and other exogenous toxins	•	•	•	•	•	1	1		_	_	_
11	With pellagra	•	•	•	•	•		١٠.	١٠٠١	_ 1	_	
10.	With other somatic diseases, total .	•	•	•	•	•				1	2	3
14.	(d) Delirium of unknown origin .	•	•	•	•	•		1	1		4	0
	(e) Cardio-venal disease	•	•	•	•	•	1	i	2			
19	Manic-depressive, total	•	•	•	•	•		1		15	12	27
15.		•	•	•	•	•	5	3	. 8.	10	12	21
	(a) Manic type (b) Depressed type	•	•	•	•	•	6	5	11			
		•	•	•	•	•	li		1			
		•	•	•	•	•	1 1	2	3			
	(d) Mixed type	•		•	•	•	2	2	4			
	(e) Circular type	•	•	•	•	•	Z	2	-			
	Involution melancholia	•	•	•	•	٠				16	8	~~
15.	Dementia præcox, total		•	•	٠	٠	٠ ٣٠			10	8	24
	(a) Paranoid type	•	•	•	•	•	7	3	10			
	(b) Catatonic type		•	•	•	٠	4 5	3	7 7			
	(c) Hebephrenic type	٠	•	•	•	•	9	2	7		1	
16.	Paranoid and paranoic conditions .	•	•	•	•	•				_	_	-
	Epileptic	•	•	•	•	•				-	_	-
	Psychoneuroses			•	•			• •		-	-	-
19.	With psychopathic personality			•						-	1	1
20.	With psychopathic personality With mental deficiency Undiagnosed			•						1	1	2
21.	Undiagnosed									-	1	1
22.	Without psychosis			•						1	1	2
	(c) Drug addiction without psychosis			•			-	1	1			
	(e) Mental deficiency without psychosis	5					1	-	1			1
										II		
	Total									44	31	75

Table 15. — Discharge of Patients classified with Reference to Principal Psychoses and Condition on Discharge.

Psychoses.	Т	'OTAI	٠.	REC	OVEI	RED.	Імг	ROV	ED.		JNIM			Not san	
I STUROSES.	м.	F.	T.	м.	F.	T.	м.	F.	т.	м.	F.	т.	М.	F.	т.
1. Traumatic 2. Senile 3. With cerebral arterioscierosis 4. General paralysis 5. With cerebral syphilis 6. With Huntington's chorea 7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra 12. With other somatic diseases 13. Manic-depressive 14. Involution melancholia 15. Dementia præcox 16. Paranoia and paranoid conditions 17. Epileptic 18. Psychoneuroses 19. With psychopathic personality 20. With mental deficiency 21. Unidagnosed	1 1 12 17 4 28 - 2 2 3	2 2 2 2 2 2 2 5 6 34 1 2 1	3 1 1 2 - 3 14 - 11 42 10 62 - 1 4 2 4 2	8 8	1 23 4	9 - 8 38 5 2	1 1 4 2 2 2 1 1 7 - - - - - - - - - - - - - - - - -	2 - 2 - 1 1 1 - 1 2 2 2 2 9 - - 2 1	2 - 2 5 - 3 4 4 3 4 4 6 - 2 2 2 4 4 -	1	1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
22. Without psychosis	71	92	3 163	24	38	62	32	43	75	14	9	23	1	2	3

Table 16. — Causes of Death of Patients classified with Reference to Principal Psychoses.

, j	H.	THEFT IN THE THEFT H	1	1 4
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With Other Brain or Nervous Diseases,	F	1111111 11111 1 11111 1	1	1 -
With Br. Dis	M.	TITLIFF FRITT TITLIFF	ı	-
WITH BRAIN TUMOR.	Fi	11111111 -1111 1 11111 1	1	1 -
WITH BRAIN TUMOR.	표.	11111111	ı	-
Tag	Ä.	1111111 11111 1 1111	1	1 1
	l F:	11111111 10111 1 10111 1	1	3 1
WITH CEREBRAL SYPHILIS.	E	11111111 10111 1 10111 1	1 :	8
CER	Ä.	1111111 13111 1 _11111 1	1	
	Ei	111111111111111111111111111111111111111	1	18
GENERAL PARALYSIS.	E.	1111111 11101 1 11111 1	1 1	- 2
GEI	M.	11111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1	16
H 1 16	Ei	111111111111111111111111111111111111111	6 1	32
WITH CEREBRAL ARTERIO- SCLEROSIS.	Ŀ.	111111111111111111111111111111111111111	- 1	17
CEF AR	M.	1	- 1	15
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Table 16. — Causes of Death of Patients classified with Reference to Principal Psychoses — Concluded.

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CAUSE OF DEATH. Carcinoma of intestine Carcinoma of liver Carcinoma of stomach Carcinoma of stomach Carcinoma of stomach Erysipelas of face Pernicious anemia Tuberculosis, general Tuberculosis, pulmonary Cerebral hemorrhage Nervous System. Exhaustion following suicidal attempt Status epilepticus Respiratory System. Cerebral thrombosis Cerebral thrombosis Myocarditis, acute Myocarditis, acute Pericarditis, acute Cerebral composition Cerebral comp	
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Table 17.—Age of Patients at Time of Death classified with Reference to Principal Psychoses.

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Table 17.—Age of Patients at Time of Death classified with Reference to Principal Psychoses — Concluded.

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r an	65-69 Years.	ſΞį	110011111111111	4
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3	60-64 Years.	퍈	11-111111-01-111111	10
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Table 18.— Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses.

Psychoses.		1	LESS THAN 1 MONTH.			1-3 Months.			4-7 Months.		rs.		
	м.	F.	т.	м.	F.	т.	М.	F.	т.	М.	F.	т.	
1. Traumatic 2. Senile 3. With cerebral arteriosclerosis 4. General paralysis 5. With cerebral syphilis 6. With Huntington's chorea 7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra 12. With other somatic diseases 13. Manic-depressive 14. Involution melancholia 15. Dementia præcox 16. Paranoia and paranoid conditions 17. Epileptic 18. Psychoneuroses 19. With psychopathic personality 20. With mental deficiency 21. Undiagnosed 22. Without psychosis		-7 15 16 1 4 3 3 3 4 1 1	9 17 2 3 -1 1 	16 32 18 3 - 1 2 4 - 5 8 5 11 - 1 1 - 1	5 6 6	2	766	4 3 1 1 2 1 1	1 1	5 10 1 1 1 1 3 1 1	3 2	1 1 2 1	2 4 4 3 2 2 1 1
Total	٠	58	50	108	15	5	20	11	11	22	7	8	15

Table 18. — Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses — Continued.

constituted to 1 systems Communication												
Psychoses.	N	8-12 Months.			1-2 YEARS.			3-4 YEARS.			5-10 YEARS.	
	M.	F.	T.	М.	F.	Т.	М.	F.	T.	М.	F.	T.
1. Traumatic 2. Senile 3. With cerebral arteriosclerosis 4. General paralysis 5. With oerebral syphilis 6. With Huntington's chorea 7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra 12. With other somatic diseases 13. Manic-depressive 14. Involution melancholia 15. Dementia præcox 16. Paranoia and paranoid conditions 17. Epileptic 18. Psychoneuroses 19. With psychopathic personality 20. With mental deficiency 21. Undiagnosed 22. Without psychosis	2	1	1 2	1 2 4 4 2	4 3 4 - 1	- 55 54 2 - 4 - 1 1 	2 1 1 1 1 1	3 1	2 4 2 1 1 - 1 1 1	1	1 2 1 2	- 2 1 1 
Total	. 2	1	3	10	12	22	6	5	11	4	5	9

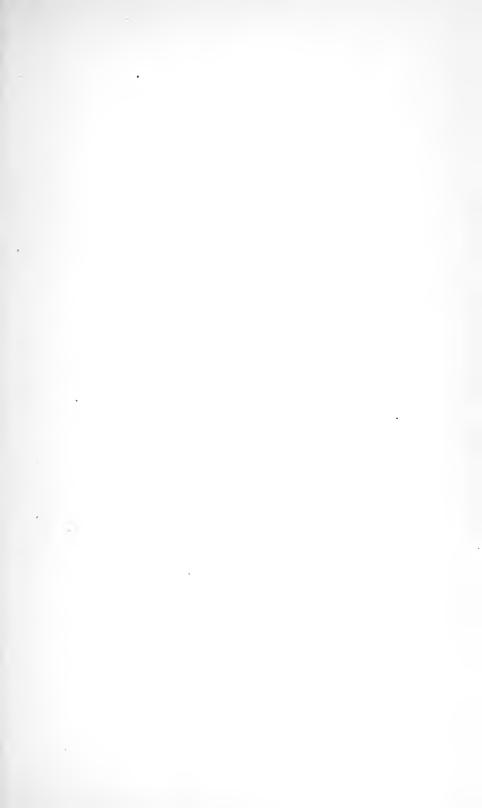
Table 18. — Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses — Concluded.

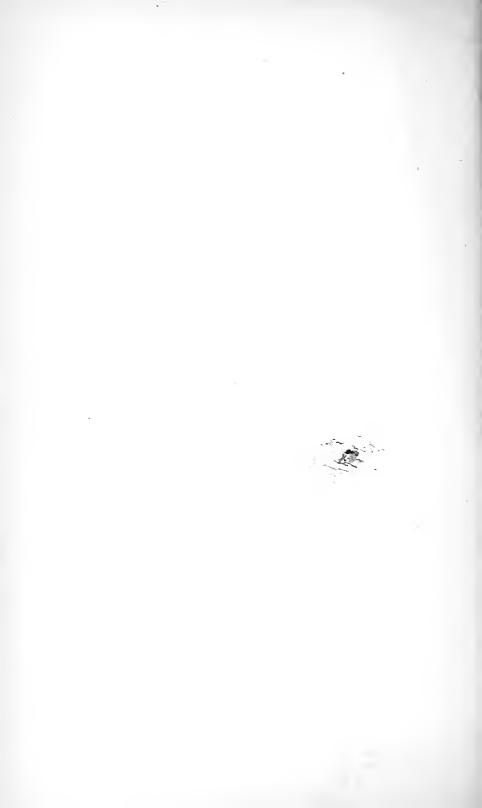
Psychoses.	Y	15-20 YEARS.			20-30 YEARS.			30 YEARS AND OVER				
	M.	F.	T.	М.	F.	T.	M.	F.	Т.	M.	F.	T.
1. Traumatic 2. Senile 3. With cerebral arteriosclerosis 4. General paralysis 5. With cerebral syphilis 6. With Huntington's chorea 7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra 12. With other somatic diseases 13. Manic-depressive 14. Involution melancholia 15. Dementia præcox 16. Paranoia and paranoid conditions 17. Epileptic 18. Psychoneuroses 19. With psychopathic personality	11111111111111	1111111111111111		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	111	1		1	1	2	3
20. With mental deficiency 21. Undiagnosed 22. Without psychosis	-		-	-	-	-	-	-	-	=	-	-
Total	-	-	-	1	1	2	1	-	1	1	2	3

Table 19. — Family-care Department.

							M.	F.	T.
Remaining Oct. 1, 1922 .		_					_	9	9
Committed within the year							_	_	_
Whole number of cases within							_	9	9
Dismissed within the year							_	_	_
Returned to institution							-	-	-
Discharged							_	-	_
Died							-	-	-
Escape							_	-	-
Remaining Sept. 30, 1923							-	9	9
Supported by State .							-	7	7
Private							-	2	2
							-	-	-
Number of different persons	within t	he ye	ar				-	9	9
Number of different persons	admitte	d.					-	-	-
Number of different persons							-	-	=
							-	9	9
State							-	7	7
Private							-	2	2
Self-supporting		•	٠		•	•	-	-	_
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The Commonwealth of Massachusetts.

## ANNUAL REPORT

OF THE

## TRUSTEES

OF THE

# Northampton State Hospital

FOR THE

Year ending November 30, 1924

DEPARTMENT OF MENTAL DISEASES



#### OFFICERS

OF THE

## NORTHAMPTON STATE HOSPITAL

#### TRUSTEES

Mr. EDWARD C. GERE, Secretary, Northampton

MIR. EDWARD C. GERE, Secretary, Northampton Mrs. Emily N. Newton, Wellesley Hills Miss Caroline A. Yale, Northampton Luke Corcoran, M. D., Chairman, Springfield Mr. Charles W. King, Chicopee Falls Mr. George C. Lunt, Greenfield Mr. A. K. Darling, Sunderland

#### RESIDENT OFFICERS

John A. Houston, M.D., Superintendent

EDWARD W. WHITNEY, M.D., Assistant Superintendent

ANGELA BOBER, M.D., Senior Assistant Physician Elizabeth Thomas, M.D., Assistant Physician

George L. Parker, M.D., Assistant Physician

—— Assistant Physician

- Assistant Physician

HARRIET W. WHITNEY, M.D., Physician to Out-patient and Social Service

**Departments** LUCIEN H. HARRIS, D.D.S., Dentist

#### NON-RESIDENT OFFICERS

Miss Eva L. Graves, Chief Clerk and Treasurer (office at the hospital)

#### HEADS OF DEPARTMENTS

Mr. L. W. SINCLAIR, Engineer

Mr. Frank W. Smith, Steward

Mr. John Daniel, Farmer

Miss S. E. Warren, Matron Miss F. A. MEYETTE, Dietitian

Miss Lucia Pratt, Social Service Worker

- Director of Occupational Therapy

## CONSULTING BOARD OF PHYSICIANS AND SURGEONS

E. A. Bates, M. D., Springfield

E. W. Brown, M.D., Northampton W. J. Collins, M.D., Northampton

D. E. HARRIMAN, M.D., Springfield

R. H. SEELYE, M.D., Springfield H. T. SHORES, M.D., Northampton

## The Commonwealth of Massachusetts

## TRUSTEES' REPORT

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The Trustees of the Northampton State Hospital herewith present their report

of the affairs of the hospital for the year 1924.

The total number of patients cared for during the year was 1795, an increase of 50 over the number under treatment last year. The daily average number maintained was 1091 which is 37 more than last year. The accommodations of the hospital are not adequate for the maintenance of so large a number consequently the Department of Mental Diseases transferred 148 patients to other institutions in the eastern part of the State within the year. The relief thus afforded was however only temporary. To provide for more permanent relief in the future, the Legislature made appropriations in 1923 and 1924 for the erection of two ward buildings, one for men and one for women, each to accommodate a hundred patients. These buildings are now under construction and are expected to be ready for use in a few months.

Even with these buildings completed and in use further provision will still be needed for the mental cases of our district. This matter is now being studied by

the Department of Mental Diseases in conjunction with our Board.

In addition to the usual repairs that are necessary in a group of buildings so old as ours there are certain special repairs and renewals that are needed and we request that the Legislature of 1925 make appropriations for the following purposes which have received the approval of the Department of Mental Diseases:

For an electric wire cable to supply the third halls, south, and the new building adjacent, \$271.00.

For an extension of the electric clock system, \$285.00.

For an extension of the nightwatchman's clock system, \$75.00.

For fire alarm boxes near the central switchboard and near the engine room, \$480.00.

For a sprinkler alarm valve for the shop building, \$450.00.

For a boiler feed pump governor, \$50.00 For a dumbwaiter pump governor, \$50.00 For an Orstat flue gas analyzer, \$41.00.

For baffles for the Heine boilers, \$365.00.

For a feed-water controller for No. 4 boiler, \$230.00. For a reducing valve on the high pressure steam line to the basements, \$175.00.

For a coal crusher and sampler, \$365.00.

For a meter for the hot water service, \$230.00.

For repairs and improvements to the heating system in the south infirmary, \$600.00.

For repairs to the Ames engine, \$600.00.

For a hot water heater for No. 1 greenhouse, \$320.00. For a machine grinder, \$165.00.

For automatic stops for dumbwaiters, \$350.00.

For a truck for a fire ladder, \$250.00.

For storm sash for the first halls, south, \$165.00.

For linen fire hose, \$360.00. For repairs to buildings, \$6,369.00.

For laundry machinery, \$7,580.00.

For plumbing materials for employees' cottage, \$280.00. For lumber to erect a bin for crushed stone, \$300.00.

For a boiler-flue cleaner, \$125.00.

On December 9, 1924 Dr. Bourgon left the service. His place was filled by the appointment of Dr. George L. Parker who came to our hospital on January 12, 1924 after a service of one year in the Springfield Hospital and four months in the Providence, R. I. Lying-in Hospital.

The trustees are grieved to record the loss of a valued member of our Board by death, Mr. Harry L. Howard who died on August 6. In the records of our August monthly meeting the following entry was made: "The Trustees note with regret the death of our fellow member, Harry L. Howard, of Hatfield. He was a very loyal member of the Board towards the hospital and its interests and always very active in whatever was for the betterment of its patients. His genial pleasant manner made a very pleasant part of our gatherings and he will be greatly missed at our meetings. He died at Hatfield on August 6, 1924."

Mr. Albert K. Darling of Sunderland was appointed by the Governor and

Council to fill the vacancy caused by the death of Mr. Howard.

The reports of the superintendent and treasurer appended to ours will give a more detailed account of the affairs of the institution.

EDWARD C. GERE. EMILY N. NEWTON. CAROLINE A. YALE. LUKE CORCORAN.

CHARLES W. KING. GEORGE C. LUNT. A. K. DARLING.

## SUPERINTENDENT'S REPORT

To the Trustees of the Northampton State Hospital.

The Superintendent's report for the year ending November 30, 1924 is herewith respectfully submitted. The statistical tables which accompany it are for the twelve months period ending September 30, 1924.

#### MOVEMENT OF POPULATION.

On October 1, 1923 there were 1,336 patients recorded on our books as under our care, of whom 1,080 were in the hospital, 9 in family care, and 247 on visit or escape.

There were 459 patients admitted during the year making a total of 1,795 under

our care-50 more than in 1923.

The number dismissed was 522, leaving 1,273 at the end of the year of whom,

1,059 were in the hospital, 11 in family care, and 203 on visit or escape.

The daily average number maintained was 1,091, an increase of 37 over the daily average for the year 1923. The largest number in the hospital on any one day was 1,119.

#### Admissions.

Of the total number of patients admitted 180 had been committed to our hospital before or to some other hospital for the care of the insane, 35 were admitted under temporary care or observation papers and were dismissed without being committed, and 346 were patients committed for the first time to any hospital. These latter are those considered in the statistical tables as "first admissions". Of these first admissons 122—35%—were foreign born, and 204—59%—were of foreign parentage.

The places of nativity of the foreign born were as follows: 27 in Ireland, 24 in Canada, 16 in Poland, 10 in Italy, 8 in Austria; 7 in Germany, 7 in Russia, 6 in England, 3 in France, 3 in Greece, 2 in Scotland, 2 in Hungary, 2 in Cape Verde

Islands, and 1 each in Bohemia, China, Lithuania, Syria, and Turkey.

Many of the patients admitted were senile cases, 58 of the first admissions—17%—being over seventy years of age, 18 being over eighty years of age. The number of aged persons committed has increased year by year; this is due not to an actual increase in the number of old persons who become insane, it is believed, but to an increasing confidence and trust in our state institutions, thus leading to the commitment of patients who formerly would have been kept at home.

Of all cases admitted the leading forms of mental disease in points of number were dementia praecox in 124 cases, senile and arteriosclerotic psychoses in 73

cases, manic-depressive psychosis in 73 cases, alcoholic psychosis in 36 cases, general paralysis of the insane in 26 cases and somatic psychoses in 14 cases.

#### DISMISSALS.

Five hundred and twenty-two patients were dismissed during the year as follows: 242 were discharged, 148 were transferred to other hospitals in the Commonwealth, and 132 died.

Many patients were allowed to leave the hospital on trial visit, 181 being away

from the hospital at the end of the year "on visit".

Eighty-eight of the patients were discharged as recovered, 115 as improved (some of whom went on to full recovery at home), 24 as unimproved and 15 as not insane. These latter included patients who were sent for observation and were judged by us not to have a clearly defined psychosis, and patients having some

mental defect without psychosis.

Of those who died the principal causes of death were as follows: terminal changes due to old age, including chronic myocarditis, chronic nephritis and cerebral hemmorrhage in 68 cases, general paralysis in 23 cases, pulmonary tuberculosis in 11 cases, carcinoma of various organs in 8 cases, cerebral embolism and thrombosis in 4 cases and diabetes mellitus in 2 cases.

Seventy-six of those who died-58%—were over sixty years of age, 15 of them

being over eighty years old.

#### GENERAL HEALTH.

With the exception of several severe cases of influenza the general health through-

out the hospital has been satisfactory.

In October a male nurse had an attack of diphtheria. He was quarantined and treated with antitoxin. All officers and nurses with whom he had come in contact and all the patients on his ward were given the Shick test. The test showed that 19 of 24 employees and 63 of 70 patients were immune to diphtheria. All cases who were susceptible were treated with antitoxin. Fortunately no other case occurred.

#### MEDICAL WORK.

A larger number of patients than ever before maintained, and a movement of population greater than in any previous year (there were nearly twelve hundred changes of patients coming and going) have made the past year a very busy one for the medical staff. The routine work alone is enough to employ their full time. There have been two vacancies on our staff for several years; it seems almost impossible to attract desirable and capable physicians to the service. If salary and living quarters were satisfactory more young physicians just out of general hospital internship might be induced to try our work and once a trial were made a certain number would be likely to continue in the service, but the rewards we are now allowed to offer apparently are not satisfactory to one who has given years to preliminary study, to the medical course and to postgraduate hospital training.

The usual analyses of blood, urine, sputum, and the like have been made.

All employees under sixty years of age receive a course of three inoculations of typhoid antitoxin as a matter of routine, and the same is given to all patients

except those suffering from syphilis or nephritis.

Blood and spinal fluid tests for syphilis were made on 271 male and 490 female patients. There were 724 blood tests made. The findings were as follows: positive in 25 males and 13 females, negative in 225 males and 457 females. Spinal fluid findings in 37 cases were as follows: positive in 13 males and 9 females, negative in 8 males and 7 females. Thirty-two of these positive cases were given 309 treatments of sulpharsphenamine.

The dental report shows the following list of treatments: 410 amalgam fillings, 319 cement fillings, 66 synthetic fillings, 1 gutta percha filling, 1 gold inlay, 1 bridge, 749 cleanings, 298 extractions, 332 treatments, 3 plates made, 9 plates repaired,

and 5 plates undergoing repair.

P.D. 21,

Lectures were given to classes from the Smith College School for Social Work, to classes in Sociology and in Economics from Smith and Mt. Holyoke College and the International College at Springfield and to nurses from the Dickinson Hospital.

#### OUT-PATIENT DEPARTMENT.

The work of the out-patient department has been conducted by one physician whose whole time practically has been given to this service, assisted by a social worker and an assistant psychologist.

More cases have been presented at these clinics than ever before, at times re-

quiring the services of two physicians.

Besides the weekly clinics held at Springfield, Greenfield, Pittsfield, and North Adams, the examination of cases at the Juvenile Court in Springfield has been continued each Friday. Other courts are now requesting the physicians' services

with increasing frequency.

The work of the school clinic has been continued with a reduction in the number of cases examined, but with an increase in the number of re-examinations. Superintendents of schools and teachers report this work to be of great help to them in their estimation of what the retarded children are accomplishing. Cases are discussed by physician and teachers and the latter are encouraged on realizing that the child is doing all that his particular mind is capable of doing. Frequently conduct problems have arisen due to the child's having been forced beyond his mental powers. When the school authorities have realized the child's mental capacity and after the latter has been relieved of the strain of trying to keep up with the normal child, conduct disorders have disappeared and in several instances dismissal from school has been averted.

The number of persons seen at our various clinics may be summarized as follows: At our hospital clinics 274 patients reported, relatives and friends came to inquire in 462 cases and there were 71 consultations, a total of 807. There were 127 consultations outxide the clinics, 125 cases referred by the courts and 531 cases at the school clinics, a total of 1,590 examinations, consultations and interviews.

The value of the work done at the juvenile courts is appreciated not only by the Department of Correction but by relatives of wayward children who bring them to

the psychiatrist willingly, oftentimes before the case comes to court.

The social worker came in contact with 308 cases, of which number 215 were new cases referred by physicians to our attention. In these new cases the service involved the taking of histories in 104 cases, investigations in 32 cases, supervision of 165 cases and personal services to patients and their families in 15 cases. The problems involved were disease in 26 cases, sex in 15, environment in 38, personality in 18, educational in 3, legal in 5, and general problems in 60 cases.

The social worker made 724 visits as follows: 140 to patients on visit, 257 to relatives and friends, 35 to social agencies, 273 to others, and 19 to patients on

the wards.

Patients in family care were regularly visited, 2 new patients being placed in families, 1 being replaced and 3 returned to the hospital. Seven boarding homes were investigated.

#### TRAINING SCHOOL FOR NURSES.

The number of pupil nurses in the training school is still small. The junior class began with two, both of whom completed their year on September 1 and entered the State Infirmary at Tewksbury for their affiliating course. The intermediate class completed their twelve months course in surgery, diseases of children and obstetrics at Tewksbury and returned to our hospital in September to complete their training here.

Our pupil nurses who go to Tewksbury value their experience there very highly speaking in the highest terms of the instruction there and of their cordial and courteous reception by the officers of the Infirmary and by the members of their

training school.

A course of instruction was carried on during the year for both our male and female attendants but much less comprehensive than the course for our nurses in training, and late in the year Dr. Rebekah B. Wright from the Department of

Mental Diseases gave us a course in hydrotherapy covering a period of three months. This course included conferences with the medical staff, talks to social service students, lectures to nurses and attendants on the physiological effects and therapeutic use of the wet pack sheet, the continuous bath and special applications of hot and cold water, tonic baths, the salt glow, tub shampoo, foot baths, fomentations, hot and cold applications to the spine and abdomen, the pail douche, and the like. These were supplemented by practical demonstrations to selected groups of two or three nurses over varying periods to ensure proficiency in the use of them.

Extensive use of packs and baths has been made by us since 1898 but Dr. Wright's instruction has been found very helpful, especially in the perfecting of method

and in the recording of results on the daily reports devised by her.

ASSEMBLIES OF PATIENTS.

The therapeutic value of entertainments for the patients has always been recognized as ranking high and as usual our activities in this direction have been many and varied during the past year. Two religious services are held on each Lord's Day, one for Catholics, one for Protestants; moving pictures have been held on Monday evenings, and dances on Thursday evenings during the winter. Frequent gatherings for special purposes, as, concerts and amateur theatricals by outside talent, a Halloween party, sports on the "Fourth", a masquerade party at St. Valentines time, observation of the holidays, especially Thanksgiving and Christmas. From a brilliantly decorated Christmas tree presents were distributed to all in the house. At the Christmas period the various halls throughout the institution were prettily decorated.

The number of formal assemblies during the year was 189 besides many informal

gatherings.

OCCUPATIONAL AND INDUSTRIAL THERAPY.

Our quota of industrial teachers and occupational teachers is four, but we have had no head occupational therapist for more than a year. Those who are in the service are kept busy diverting the patients by means of various forms of activity, weaving, basketry, rug making, fancy needlework of all kinds, the making of tinware, brooms, clothing and underclothing, and many other things mentioned at length in previous reports. These activities are of value beyond estimation in the treatment of patients, contributing to their contentment and promoting their recovery. Patients in large numbers are employed in every department of the institution, in the housekeeping, in kitchens, dining rooms, laundry, sewing and mending rooms, in the shops, in the tailor house, in the gardens and orchards, on lawns, roadways and sidewalks, at the stables, barns and dairy, in the boiler rooms, in the storerooms, helping at cement work, in carpentry and electrical work. list of work done in the industrial department follows: 182 pairs of shoes soled, 219 pairs of shoes heeled, 223 pairs of shoes patched, 510 mattresses made of old material, 178 mattresses made of new material, 269 pillows made of old material, 150 pillows made of new material, 57 chairs caned, 785 brooms made, 456 rag rugs made, 1,163 pairs of men's socks made, 159 pairs of overalls made, 37 pairs of wool trousers made, 162 baskets repaired, 14 new laundry baskets made, 72 chair cushions made, 9 couches upholstered, 12 settee cushions made.

FARM.

The farm was more profitable this year than last year despite a prolonged drought

in the early weeks of summer.

About 230 tons of hay of good quality were harvested as a first crop, and about 75 tons green weight of first crop and of rowen were fed to the herd during the summer and early fall.

Ensilage corn matured slowly because of dry weather but with a favorable fall

made a good yield. About 340 tons were cut into the silos.

Of green rye 60 tons were put into the silo for summer feeding.

Early potatoes planted on light land made a poor showing because of the lack of moisture, but the later varieties planted on the lower lands were benefitted by rains in time to make a good yield. The total crop was about 2,200 bushels, our requirements being about 4,100 bushels.

Early plantings of beets, carrots, chard and cabbage were practically failures but later plantings made unusually good yields helping to bring up our total productions to our needs.

Strawberries yielded well because of an improvised system of irrigation. Other small fruits produced a small yield for lack of water. A permanent system of pipes and sprinklers would prove of great benefit not only in the case of fruits but of

most of our garden crops.

About 600 barrels of apples were gathered. This is one of our most valuable farm products and an increase in the productivity of our orchards is highly desirable. The apples we raised came largely from our newer orchards although a few of the older trees yielded well. Most of the latter are beyond the possibility of renovation. They should be replaced by new trees of standard varieties. During the year 100 young trees, Baldwins, Wealthy, and McIntosh were set out either as fillers to replace old trees or to start a new orchard.

Instead of spraying the apple trees as in previous years they were dusted with a new Niagara power duster purchased this year. The results were as satisfactory as, if not superior to, those obtained by spraying and was more easily done. The

apples seemed fairer and to have fewer blemishes.

Our dairy is now in excellent condition. There are no animals that react to the tuberculin test. The reactors we had were disposed of and new animals were purchased to replace them. Ten heifers of our own raising freshened during the year and fifteen are now bred to freshen in 1925.

The two senior herd bulls were killed during the year in order to avoid inbreeding. Three bull calves and four heifer calves all of excellent breeding were sent

to other State institutions.

The production of milk during the year surpassed the yield of any previous year

the herd maintaining on average production of 14,772 pounds per cow.

Several of the young cows raised on the farm have made excellent individua

records. One gave 19,000 pounds.

A list of farm productions follows: 632 bbls. of apples, 4,284 lbs. of asparagus, 9,493 lbs. of string beans, 855 lbs. of shell beans, 51,306 lbs. of beets, 187 lbs. of beet greens, 73,552 lbs. of cabbage, 1,420 lbs. of cantaloupe, 23,835 lbs. of carrots, 8 lbs. of cauliflower, 7,342 lbs. of celery, 2,110 lbs. of Swiss chard, 909 lbs. of cherries, 19,810 lbs. of sweet corn, 317 tons of ensilage corn, 785 lbs. of currants, 8,319 lbs. of cucumbers, 742 lbs. of grapes, 446 tons of hay, 550 lbs. of lettuce, 722,399 lbs. of milk, 24,118 lbs. of onions, 5 lbs. of parsley, 8,175 lbs. of parsnips, 2,207 lbs. of green peas, 150 lbs. of peppers, 862 lbs. of plums, 280 lbs. of pears, 10,550 lbs. opumpkins, 138,695 lbs. of potatoes, 110 lbs. of radish, 8,363 lbs. of rhubarb, 1,892 lbs. of scallions, 83 lbs. of spinach, 80,667 lbs. of squash, 4,346 qts. of strawberries 6,750 lbs. of tomatoes, 11,355 lbs. of turnips.

The dairy barn has been thoroughly renovated during the year by the laying of a floor of cement and the installation of steel stanchions and individual drinking fountains. A DeLaval milking machine and three milking units were installed. This seemingly has had a tendency to increase the production of milk somewhat Our milk is now clarified and pasteurized, consequently is as hygienic as seem

possible to be produced.

About 40 cords of wood were produced (largely by the cutting down of our diseased chestnut trees), 50 poles were cut for electric transmission lines, and 25,00 feet of timber were obtained.

A large amount of stone was taken out of our fields and pastures and crushe

for road making and cement work.

About 20 acres of land were reclaimed from the pastures for purposes of cultivation. The increase in our population makes necessary larger crops, consequently more land must be put under cultivation to allow a proper rotation of crops.

#### REPAIRS AND IMPROVEMENTS.

Much has been done throughout the institution in the way of repairs, of replacements and of improvements, the following being specially worthy of recording:

In order to increase the efficiency of the boilers and to prevent radiation of hea from the exposed portions of the boilers, rear doors were installed covering the

three Heine boilers, iron plates were fitted over the front water legs and angle irons around dampers and damper openings, and the brick work of the boiler settings was coated with bitumastic gum.

Gibby hand stokers were installed on all four boilers.

A CO₂ recording instrument made by the Uehling Instrument Company was installed

The section of main flue connecting the boilers with the chimney 11 feet long and

5 feet in diameter which had been in service since 1892 was replaced.

Steam mains and returns to the Earle building were renewed and covered; steam mains and returns to the laundry were renewed and covered; return steam pipes in the third south basement and from the south infirmary heating stack were renewed.

New heating coils were installed in the MIS and UIS dining rooms and in the

cow stable.

A new 3" hot water supply pipe was laid from the boiler house to the laundry. New water supply pipes were installed in the third halls, north and south.

Several hundred feet of 4" and 5" cast iron pipes were dug up in front of the buildings; this was pipe that formerly supplied the old fire hydrants and is available now for use elsewhere.

A lavatory bowl, two water closets and a shower bath were installed in the

basement of the employees' dining room.

The female nurses' home and ten of the tenements occupied by employees were connected with the sewer recently laid by the city up West, Prince, Grove and Chapel Streets.

Hot water boilers were replaced in cottages No. 3 and No. 6, and plumbing

fixture's in cottage No. 8.

The gutters at the north infirmary were filled in and slated over.

Twelve additional 2½-gallon chemical fire extinguishers were purchased.

A small electric drill for machine and electric work was purchased and a small motor driven blower for cleaning motors. Feeder cables for street lights and for the barn were placed in conduit under the engine room floor.

Installation of a switch board and transmission line to the stone crushing plant

was completed.

Cables for the north infirmary were changed to the tunnel leading from the boiler room to the third halls.

Cottage No. 8 was wired for lighting.

A motor was installed on the milking machine and drinking fountains at the cow stables were piped

Seven new street-light poles were set, in cement foundations, two old ones were

relocated and 1,000 feet of Simplex steel taped cable was laid.

Much cement work was laid including a new floor in the basement of the female nurses' home, a new floor in the cow stable (and iron stanchions set in same), 45 square yards of cement walk in front of the store house, five squares in the walk to the laundry and a cement floor in the garage under the hose house.

An ell to cottage No. 8 was plastered.

In many of the above projects patients helped largely in the unskilled labor.

There have been but few changes in the corps of officers. In December, Dr. Bourgon left the service and his place was filled by Dr. George L. Parker, who came in January. In August the dietitian Miss Rand left and her place was filled by the appointment of Miss F. A. M. Meyette.

I feel that all the members of our official family are giving loyal services and am pleased to express my gratitude to them for their untiring interest and co-operation.

To many friends who have given to the hospital money for various uses for the benefit of patients who have no relatives, presents for the Christmas tree, books and periodicals, also to the publishers of "The Messenger of the Sacred Heart", "The Christian Science Monitor" and "The Christian Leader" for free copies of their publications I give my heartfelt thanks.

## **VALUATION**

## NOVEMBER 30, 1924.

Land (513 acres)	\$127,553.75 949,326.56
	\$1 076,880.31
Personal Property	1
Travel, Transportation and Office Expenses Food Clothing and Materials.	\$1,593.23 9,967.18
Clothing and Materials	17,465,38
Furnishings and Household Supplies	/4.333.15
Medical and General Care	1,652.00
Heat, Light and Power.	3,560.92
Farm	
Garage Stable and Grounds	7.330.11
Garage, Stable and Grounds	20,240,75
Smarav	\$176,390.36
Real Estate. Personal Property.	176,390.36
	\$1,253,270.67

## TREASURER'S REPORT

To the Department of Mental Diseases.

I respectfully submit the following report of the finances of this institution

I respectfully submit the following report of the finances of this institute fiscal year ending November 30, 1924.	ition for
CASH ACCOUNT Receipts	
Income   Receipts	
Personal Services: Reimbursement from Board of Retirement 87.05	
Sales: Travel, transportation and office expenses, telephones Food Glothing and materials Farm: 64.95	
Cows and calves       \$198.00         Pigs and hogs       25.00         Hides       66.36         Sundries, barrels and bags       6.90	
Arts and crafts sales	
Miscellaneous: \$1,042.71 Interest on bank balances \$52.50 Rent 652.50	`.
Total income	\$109,900.69
MAINTENANCE Balance from previous year brought forward Additional for purchase of cows, and for personal services Appropriation, current year.	\$3,413.75 8,314.99 344,920.00
Total Expenses (as analyzed below)	
Balance reverting to Treasury of Commonwealth	\$16,714.23
Analysis of Expenses	91 60 002 42
Personal services . Religious instruction Travel, transportation and office expenses Food	\$162,093.43 1,230.00 5,565.45 61,572.29
Clothing and materials Furnishings and household supplies Medical and general care	6,718.15 20,948.03 11,412.37
Heat, light and power Farm Garage, stable and grounds Repairs, ordinary. Repairs and renewals	25,294.74 3,051.42
Total expenses 4 or maintenance	\$339,934.51

\$0,000,000.00

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000,000.00

Special Appropriations	
Balance December 1, 1923	\$103,904.50
Appropriations for current year	191,632.00
Total	\$295 536 50
Total	137,816.21
Balance November 30, 1924, carried to next year	\$157,720.29

Овјест	Act or Resolve	Whole Amount	Expended During Fiscal Year	Total Expended to Date	Balance at End of Year
*Two Ward Buildings *Purchase Courtney Property *Sewer Connections *Additional Sprinklers *Additional Fire Protection *Additional Fire Protection	Chap. 126 '23 Chap. 126 '23 Chap. 126 '23 Chap. 126 '23 Chap. 126 '23 Chap. 126 '23	\$270,500.00 4,000.00 600.00 9,175.00 2,757.00 8,600.00	\$137,234.93 581.28	\$137,330.43 581.28	\$133,169.57 4,000.00 18.72 9,175.00 2,757.00 8,600.00
		\$295,632.00	\$137,816.21	\$137,911.71	\$157,720.29

^{*}Balance reverting to Treasury of the Commonwealth.

Date of opening as an institution for the insane: Aug. 16, 1858. Type of institution: State.
Hospital plant:
Real estate, including buildings and betterments

Total

#### PER CAPITA

During the year the average number of inmates has been 1,076. Total cost for maintenance, \$339,934.51.

Equal to a weekly per capita cost of \$6.0755. (52 weeks to year.) Receipt from sales, \$1,022.05.

Equal to a weekly per capita of \$0.0183.

All other institution receipts, \$108,878.64.

Equal to a weekly per capita of \$1.9459.

Net weekly per capita, \$4.1113.

#### Respectfully submitted

EVA L. GRAVES, Treasurer

### STATISTICAL TABLES

AS ADOPTED BY AMERICAN PSYCHIATRIC ASSOCIATION.

PRESCRIBED BY MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES.

#### Table 1.—General Information.

Total acreage of hospital property: 513½. Acreage under cultivation during year: 145. Medical service:  Superintendents Assistants physicians Dentist Medical internes Clinical assistants	Men Word 1 2 1 -	
The state of the s	4	3 7
Employees: Graduate nurses. Other nurses and attendants Social workers All other employees. 4	36 2	4 4 7 63 1 1 5 81
8	32 6	7 149
Percentage of patients employed during year	55.67 78	8.0 66.83

#### Table 2.—Financial Statement.

See treasurer's report for data requested under this table.

Table 3.—Movement of Patient Population for the Year Ending Sept. 30, 1924.

							OTHER CLASSES	LASBEB					
			Insane		Ѕапе	Sane, Voluntary	A:	Tem and Not	Temporary care and observation. Not committed	9 1 7	To	Total on Books	)KB
		M.	Н	Ţ.	M.	F.	Ţ.	M.	٠.	E	M.	F.	T.
-i	Patients on books of institution Sept. 30, 1923	629	703	1,332	ı	1	1	-	60	4	630	902	1,336
	Admission during the year: a. First admissions b. Readmissions	*175	*174	349	67 1	63.63	40	14	32	26	191	188	379 80
	Total admissions Tearlies from other institutions for the insure	211	211	422	2 1	41	90 1	16	15	31	229	230	459
જાં જ	Total received during year Total under treatment during year	211 840	211 914	422 1,754	0101	44	99	16 17	18	35	229 859	230 936	459 1,795
	Discussing very discussion of the control of the co	37	22.5	102	1-1	1.1	1.1	m oc c	es ro +	133	999	55.5	85
	c. As unimproved d. As not insane e. Transferred to other institutions for the insane	-89	±8;	1483	1071	ا ده ا	ומו	9-10	191	٥٢ ١٥		928	74 148 148
4	J. Died during year Nominally dismissed for commitment Total discharged from bodys during year	72 - 280	22 1 28	129 129	110	116	1   140	21 m	-02	00 00 M	£ 1 3	27.5	132 23 33 26 26 27
i rej	Patients remaining on books of institution Sept. 30, 1924 Summer emaining the sept. 30, 1924	611	661	1,272	a 1			; '	9 1	3 1	611	662	1,273
6.	a. Average daily number of patients on books during year.	619.96	686.89	1,306.85	620.	1.16	1.239	.337	.678	1.015	620.38	688.73	1,309.11
7	during year  6. Average dally number of patients in family care	515.10	563.75	1,078.85	.079	1.16	1.239	.337	.678	1.015	515.52	565.59	1,081.11
∞ ∞	b. Average daily number of patients on visit and escape. Number of voluntary natients admitted within the year	104.86	113.21	218.07	100	1 4	1 9	1 )	1.1	1 1	104.86	113.21	218.07
œ. G	Number of temporary-care cases admitted within the year . Number of patients actually remaining in institution Sept.	92	86	193	ı	ı	1	16	15	31	Ξ	113	224
		522 453	536 343	1,058	1.1	<b>→</b> 1	<b>-</b> 1	1 1	1 1	1 1	522 453	537 343	1,059 796
	Reimbursing Private	32	113	117	1 1	١	1	1 1	1.1	1 1	55 53	98	117
∺	Number of patients in family care Sept. 30, 1924 State	1.1	= «	<b>1</b> ∞		1.1	1 1	1 1	1 1	1 1		=~	≓°
	B	1	·67 -	×07 -	1	1	1 1	1	ı	1	t I	·01 -	· 67 =
32	Number of different persons within the year	838	1806	1,746	1010	4-	1 100	14:	1 22 ;	1 25 2	857	1000	1,787
<u> </u>	Number of different persons admitted from the community Number of different persons dismissed, exclusive of transfers	169	165	334	N 60	# 00	o 10	22	281	35	 188 188	186	374
15.	Number of non-insare patients or immates in institution at end of institution year. $h$ . Persons given advice or treatment in out-patient department during year	d of institut	ion year:							Males 253	Females 348	Totals 601	

A. Persons given advice or treatment in out-patient department during year 253 *Includes 1 male patient and 2 female patients committed after Oct. 1, 1923 from observation 1922-1923.

Table 4.—Nativity of First Admissions and of Parents of First Admissions.

United States	PATIENTS	PARENTS OF MALE PATIENTS	P. Fem.	ARENTS ALE PAT	OF TENTS
Austria         7         1         8         8           Bohemia         1         -         1         1         -         1         1         -         1         1         -         1         1         -         1         1         -         1         2         2         2         2         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         3         1         1         1         2         1         2         3         1         1         2         3         1         3         2         2         2         3         1         3         2         3         1         3         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         <	M. F.	M. F. T.	м.	T.	T.
	7 1 1 2 8 116 1 1 1 2 2 1 1 2 1 2 2 5 2 2 5 2 2 1 2 2 5 2 1 4 13 7 3 1 6 10 4 3 1 1 1 1 1 1 1 1  64 58	8	74 2 - 30 - 5 - 1 6 1 - 26 4 - 10 3 5 1 1 1 1 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1	78 2 - 28 - 2 - 2 5 1 1 - 26 4 - 9 3 5 2 - - 2 - - 2 - - - - - - - - - - - -	152 4 - 58 - 7 - 3 11 2 52 8 19 6 10 3 1 1 2 - 186 6 344

## Table 5.—Citizenship of First Admissions.

	Male	Female	TOTAL
Citizens by birth Citizens by naturalization Aliens Citizenship unascertained	22 40	114 20 37 1	224 42 77 3
Total	174	172	346

## Table 6.—Psychoses of First Admissions.

	Psychoses	м.	F.	T.	M.	F.	T.
1.	Traumatic, total a. Traumatic delirium	1	···i·	2	2	1	3
2.	b. Traumatic constitution Senile, total. a. Simple deterioration	l	- 	1 1 15	24	25	49
	b. Presbyophrenic type c. Delirious and confused states.	5	3 5	15 8 10			
3.	d. Depressed and agitated states e. Paranoid type With cerebral arteriosclerosis.	3 2	6 5	97			
3. 4. 5.	With cerebral arterioscierosis.  General paralysis  With cerebral syphilis				12 15	13 7	25 22
6. 7.	With Huntington's chorea With brain tumor		ļ		=	1 -	1
8.	With other brain or nervous diseases, total 1. Cerebrospinal syphilis 2. Arthritis deformans	-	4	4	-	6	6
9.	3. Undiagnosed Alcoholie, total	l –	i	i	28	2	30
	b. Delirium tremens d. Acute hallucinosis e. Chronic hallucinosis	1 16	-	1 16			
	f. Acute paranoid g. Chronic paranoid		1 - 1	3 3			
10.	Due to drugs and other exogenous toxins, total				-	-	-
	i th pellagra			• • • • • •	-	-	-

Table 6.—Psychoses of First Admissions—Concluded.

	,	М.	F.	T.	M.	F.	T.
12.	With other somatic diseases, total b. Post infections psychosis c. Exhaustion delirium d. Delirium of unknown origin e. Cardio-renal disease f. Disease of the ductless glands	2 - 1 4	3 1 2	2 3 2 6	7	7	14
13.	A Manic-depressive, total.  a. Manic type b. Depressive type c. Stuporous type d. Mixed type e. Circular type	6 5 2 -	11 15 2 6	17 20 4 6	14	37	51
15.	Involution melancholia   Dementia praecox, total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .	16 13 16 2	20 9 7 4	36 22 23 6	1 47	5 40	6 87
16. 17.	Paranoia or paranoid conditions Epileptic, total a. Deterioration b. Clouded state	:::::i	 ī	 1	1	1	2
18.	Psychoneuroses and neuroses, total a. Hysterical type b. Psychathenic type d. Anxiety neurosis	<u>ī</u>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	1	2	3
19. 20. 21. 22.	With psychopathi personality With mental deficiency Undiagnosed Without psychosis, total. d. Psychopathic personality without psychosis e. Mental deficiency without psychosis f. Defective delinquent	2 8 1	2 2 2	4 10 1	8 3 11	3 5 10 4	3 13 13 15
	Total				174	172	346

Table 7.—Race of First Admissions classified with Reference to Psychoses.

Race	,	Гота	L	Ti	RA UMA'	ric		Senil	E		WITH EREBR TEROC ROSIS	AL LE-		GENER PARALY	
	M.	F.	т.	M.	F.	т.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Turkey	1	=	1	-	-	-	-	-	-	-	-	_	-	-	-
African	3	5	8	-	-	-	-	-	-	-	-	-	-	-	-
Chinese English	4	3	1 7	-	-	-	-	-	-	2	-	2	-	-	-
Finnish.	1	"	;	1	_	-	-	-	-	Z	-	_	1	_	1
French	20	26	46	1 -	_	_	1	1	2	1 🗆	_	I	4	3	7
German	2	5	7	l _	_	_	Î	3	4	_	_	-	-	-	
Greek	$\bar{2}$	ĭ	3	-	_	-	1 -	_		l _	۱ –	-	-	_	-
Hebrew	1	1	2	-	-	- 1	-	_	-	-	1	1	-	-	-
Irish	43	28	71	1	-	1	9	6	15	4	3	7	4	2	6
Italian	9	4	13	-	-	-	-	- 1	-	l –	l –	-	-	-	-
Lithuanian	1	- 1	1	-	-	-	-		l – I	- 1	-	- 1	-	-	-
Magyar	3	1	4	-	-	-	1 -	-	-	-	-	-	-	-	-
Scandinavian	1	1	2	-	-	-	- '	-	-		-	-	- 1	- 1	-
Scotch	2	6	8	-	-	-	- 1	1	1	-	-	- 1	1	-	$\begin{vmatrix} 1 \\ 2 \end{vmatrix}$
Slavonic	20	13	33	-	-	-	-	-	-	-	-	-	2	-	2
Syrian Mixed	60	77	137	1	1	2	13	14	27	6	9	15	3	2	5
Total	174	172	346	2	1	3	24	25	49	12	13	25	15	7	22

Table 7.—Race of First Admissions classified with Reference to Psychoses—Continued.

RACE		REBR			TINOT CHORE		OR	TH OTE BRAIN NERVO	ουs	Aı	соног	ıc		Somat	ic
	M.	F.	T.	M.	F.	т.	M.	F.	т.	M.	F.	т.	M.	F.	T.
Turkey African Chinese English Finnish French German Greek Hebrew Irish Lithuanian Magyar Scandinavian Scotch Slayonic Syrian Mixed		2 1	2 1					1 - 2	- - 1 - 2 - - - - - 1 - 2	- - - - - - - - - - - - - - - - - - -	1	- - - - - - - - 7 2 - 1 8 - 2	1 - 1 - 1 - 1 - 2	1 - 1 - 1 3	1 2 2 2 1 1 1 1 -
Total	_	3	3	-	1	1	-	6	6	28	2	30	7	7	14

Table 7.—Race of First Admissions classified with Reference to Psychoses—Continued.

Race		Manic Pressi			VOLUTI			EMENT RAECO		E	PILEPT	ıc		SYCH EURO	
RACE  Turkey African Chinese English Finnish French German Greek Hebrew Irish Italian Lithuanian Magyar Scandinavian Scotch Slavonic	M	F 7 1 5 2 2 9	T	M.	F.	T.	M. 1 - 1 4 1 2 - 8 4 1 1 - 6	F. 5 - 4 1 - 8 1 1 1 1 3	T. 1 5 1 1 8 2 2 7 16 5 1 2 1 1 9	M.	F.	T.	M.	F.	T.
Syrian	4	11	15	1	5	6	17	15	32	1	-	1	-	1	1
Total	14	37	51	1	5	6	47	40	87	1	1	2	1	2	3

 $\begin{array}{c} {\rm Table} \ 7. - Race \ of \ First \ Admissions \ classified \ with \ Reference \ to \ Psychoses-\\ {\rm Concluded.} \end{array}$ 

Race		WITH CHOPAT RSONAL			Menta Eficien		Uz	DIAGNO	SED	P	Witho	
	м.	F.	т.	М.	F.	Т.	М.	F.	T.	M.	F.	T.
Turkey African Chinese English French Prench German Greek Hebrew Irish Italian	1111111111		111111111	- - - 1 - - 2 -		1 - 3	-	1 - 1 - 2 1	- - 1 - 1 - - - 2 1	- - - 3 - - 2 1	- - - 2 - - - 1	- - - - 5 - - 2 1
Lithuanian Magyar Seandinavian Scotch Slavonic Syrian Mixed Total	-	1 2 3	1 2 3	5 8	- - - - 4	- - - - 9 - 13	- - 1 - 2 - 3	1 - 4 - 10	- - 1 1 - 6	- - - 2 - 3 - 11	2	- - 2 - 5

Table 8.—Age of First Admissions classified with Reference to Principal Psychoses.

2. S 3. V 4. C 5. V 6. V 7. V 9. A 9. A 1. V 2. V 3. N	Fraumatic Senile With cerebral arterioselerosis Jeneral paralysis With cerebral syphilis With Huntington's chorea With brain tumor With other brain or nervous diseases	M. 2 24 12 15 -	F. 1 25 13 7 3 1	T. 3 49 25 22 3 1	M. - - - -	F. - -	T. - -	<u>м.</u>	F.	Т.	М.	F.	Т.	М.	T.	T.
2. S 3. V 4. C 5. V 6. V 7. V 9. A 9. A 1. V 2. V 3. N	senile. With cerebral arteriosclerosis Jeneral paralysis With cerebral syphilis With Huntington's chorea With brain tumor With other brain or nervous	24 12 15	25 13 7	49 25 22	- - -	- -	=	-	Ξ	-	_	_			_	1-
4. L. 5. D 6. P 7. E 8. P	Alcoholic .  Due to drugs and other exogenous toxins  Vith pellagra Vith other somatic diseases.  Manic-depressive any older of the personal conditions pelmentia praecox  aranoia and paranoic conditions pileptic .  Psychoneuroses Vith psychopathic personality Vith mental deficiency	- 28 - 7 14 1 47 - 1 1 - 8	6 2 - 7 37 5 40 - 1 2 3 5	6 30 - 14 51 6 87 - 2 3 3 13	11111111111		111111111111111111111111111111111111111	5 - 1	1 2	1 7 7 1	15		19	1 5 5 1 1 - 1		11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11
ι. τ	Undiagnosed	3 11	10 4 172	13 15	<u>-</u>		_=	2		2	1	$\frac{1}{2}$	1 2	-	1 1	1 1

Table 8.—Age of First Admissions classified with Reference to Principal Psychoses
—Continued.

	Рачснов <b>ж</b> а		30-34 Year:			35-39 Years			40-44 Year:			45-49 Year			50-5- Year	
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22.	Traumatic Senile. With cerebral arteriosclerosis. General paralysis With eerebral syphilis With Huntington's chorea With brain tumor With other brain or nervous diseases. Alcoholic Due to drugs and other exogenous toxins With pellagra With other somatic diseases. Manic-depressive Involution melancholia Dementia praecox Paranoia and paranoic conditions Epileptic Psychoneuroses With psychopathic personality With mental deficiency Undiagnosed Undiagnosed Without psychoses.	3 - 1 1 - 2 2 2 2 2 2 2 2 2 2 2	7 4 - 1 1 - 1	- 4 3 1 1 8 8 9 1 2 1 1 - 1	77 - 6 - 1 - 3	1 3 4 - 1 1 - 2 2 1		5 5 1 1 1 3	1 1 2 - 6 - 3 1 1 1 1 1	77111	- - 2 - - 6 - 1 - - 1 - 1		- 2 - 2 - 6 - 3 6 1 14 - 1 1 1 2 1	1 1 1 2	1 2 1 2 3 3 1 - 1 1 1	1 2 4 1 2 2 5 5 1 1 1 1 1
	Total	14	15	29	20	12	32	20	17	37	14	24	38	9	11	20

 $\begin{array}{ll} \textbf{Table 8.--Age of First Admissions classified with Reference to Principal Psychoses} \\ \textbf{---Concluded.} \end{array}$ 

	Psychoses		55-59 EAR			60-64 Ear			65-69 EAR			70-74 Year			75-79 Year			OVER YEAR	
		м.	F.	т.	M.	F.	Т.	M.	F.	T.	M.	F.	T.	M.	F.	т.	M.	F.	T.
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.	Traumatic Senile. With cerebral arteriosclerosis. General paralysis With cerebral syphilis With Huntington's chorea With brain tumor With other brain or nervous diseases Alcoholic Due to drugs and other exogenous toxins With pellagra With other somatic diseases. Manic-depressive Involution melancholia Dementia praecox Paranoia and paranoic conditions Epileptic Psychoneuroses With psychopathic personality With mental deficiency Undiagnosed	2 1 - 2 - - 1 1 1 1 - -	- 3 1 - 2 - 3 1 2 3 1 2	21 - 51 - 21 - 14 11 2	- 2 2 2 1 1 2 - 3 1 1	1 1 - 4 - 2 3 1 1 2	11 - 5226 23	111	- 6 1 1 1 1	10 2 2 2 1	- 4 	444	8 4	966	566	144 12	433	92	13 5
22.	Without psychoses	2	12	23	13	14	27	7	- 10	17	5	9	14	15	11	26	7	11	18

Table 9.—Degree of Education of First Admissions classified with Reference to Psychoses.

	100   1   1   1   1   1   1   100   1   1
Unascer- tained	
Unas	£c,
	X
93	E 1110111111111111111111111111111111111
College	<b>声</b>
	Z 1118111111111111111111111111
	E 14-4   11-1   12542   1-1-1   8
Нин Всноог	E. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
02	K 1112111111111111111111111111111111111
	F. 822221 1 20 1 1 2 2 2 2 1 1 2 2 2 2 2 2 2
COMMON	E 12200001   21   14712   121000   26
ე _დ	M. 100 100 100 100 100 100 100 100 100 10
<u>e</u>	88 51157111 5211 53111 7317 88
Reads and Writes	E
REA	. 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1
<u> </u>	H 14H1111111111111111111111111111111111
Іллтевате	F 1-41   111   11   11   12   13   11   11
Irr	M 1891 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	H. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Total	F. 122.22 - 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
P	M. 22222 22 22 22 22 22 22 22 22 22 22 22
Psychoses	Tranmatic Senile With cerboral arteriosclerosis With cerboral arteriosclerosis With cerboral syphilis With Charly and With Charly Charles With Drain tumor With Other brain or nervous diseases Alcoholic Due to drugs and other exogenous toxins With pellagra With other somatic diseases Manic-depressive Demonita pracox Paychoneurose Paychoneurose Pepileptic Peranoia and paranoic conditions Epileptic Peranoia and paranoic conditions Epileptic With mental deficiency With mental deficiency Undiagnosel deficiency With mental deficiency With mental deficiency Without psychosis

Table 10.—Environment of First Admission classified with Reference to Principal Psychoses.

	n	7	OTAL.		τ	RBAN		F	URAL	
	Psychoses	M.	F.	T.	M.	F.	T.	М.	F.	T.
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	Traumatic Senile With cerebral arteriosclerosis. General paralysis With cerebral syphilis With thuntington's chorea With brain tumor With other brain or nervous diseases. Alcoholic Due to drugs and other exogenous toxins With pellagra With other somatic diseases. Manic-depressive Involution melancholia Dementia praecox Paranoia and paranoiae conditions Epileptie Fayehoneuroses	2 24 12 15 - - 28 - 7 14 1 47 - 1	1 25 13 7 3 1 - 6 2 - 7 37 40 - 1 2	3 49 25 22 3 1 - 6 30 - 14 51 6 87 - 2 3	1 13 9 13 - - 21 6 8 1 29	1 18 9 6 3 1 4 - 5 29 4 33 1 2 2 3	2 31 18 19 3 1 4 21 11 37 5 62 2 3	1 11 3 2 7	7 4 1 2 2 8 1 7	1 18 7 3 2 9 3 14 1 25
19. 20. 21. 22.	With psychopathic personality With mental deficiency Undiagnosed Without psychosis	8 3	5 10 4	13 13 15	5 2 6	8 3	9 10 9	3 1 5	1 2 1	4 3 6
	Total	174	172	346	116	134	250	58	38	96

Table 11.—Economic Condition of First Admissions classified with Reference to Principal Psychoses.

	7	Готаі	.	DE	PENDI	NT	M	ARGIN	AL		MFOF ABLE			NASC TAINE	
PSYCHOSES	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	т.	M.	F.	т.
1. Traumatic 2. Senile 3. With eerebral arteriosclerosis. 4. General paralysis 5. With cerebral syphilis 6. With Huntington's chorea 7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra 12. With other somatic diseases 13. Manic-depressive 14. Involution melancholia 15. Dementia praecox 16. Paranoia and paranoic conditions 17. Epileptic 18. Psychoneurosis 19. With psychopathic personality 20. With mental deficiency 21. Undiagnosed 22. Without psychosis Total	15 - - 28 - 7 14 1 1 - 8 3 11	1 25 13 7 3 1 -6 2 -7 37 5 40 -1 1 2 3 5 10 4	3 49 25 22 3 1 1 - 6 30 - 14 51 6 87 - 2 3 3 13 13 15	- 6 	- 5 - 1 1 - - - - 1 3 3 - 1 1 1 1 1 1 1 1 1	11 1 1 1 1 1 1 1 1 1 3 - 1 1 3 - 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 14 10 14 	- 17 8 66 2 1 - 4 2 2 - 4 30 2 30 - 1 - 3 4 9 3 126	2 31 18 20 2 1 - 4 29 - 10 41 3 72 - 2 11 3 6 12 13 270	17	1 3 5 - - 2 - 3 7 2 7 - 1 1	1 7 7 1 1 2 2 - 4 10 2 12 - 1 1 1 1 - 4 49			

			Тота	L .	Ав	STINE	ENT	TE	MPER.	ATE		NTEA ERAT			NASC TAINE	
	Psychoses	М.	F.	T.	M.	F.	Т.	M.	F.	Т.	M.	F.	т.	M.	F.	T.
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	Traumatic Senile Cerebral arteriosclerosis General paralysis With toerebral syphilis With Huntington's chorea With brain tumor With other brain or nervous diseases Alcoholic Due to drugs and other exogenous toxins With pellegra With other somatic diseases. Manic-depressive Involution melancholia Dementia praecox	15 - - 28 - 7 14	1 25 13 7 3 1 - 6 2 - 7 37 5 40	3 49 25 22 3 1 - 6 30 - 14 51 6 87	2 7 5 3 1 6 1 26	1 24 12 6 1 1 - 3 - 7 36 5 38	3 31 17 9 1 1 - 3 - 8 42 64	- 13 4 6 - - - - - 2 5 - 16	- 1 1 2 - 1 - 1 -	- 13 5 7 2 - 1 - 2 6 - 18	3 1 5 - - 28 - 4 3 - 5	- - - - - 2	3 1 5 - - 30 - 4 3 - 5	1 2 1	1	2 2 1 1 - 2 - - - -
16. 17. 18. 19. 20. 21.	Paranoia and paranoic conditions Epileptic Psychoneuroses With psychopathic personality With mental deficiency Undiagnosed Without psychosis	1 1 8 3 11	1 2 3 5 10 4	2 3 3 13 13 15	1 - 5 2 4	1 1 2 5 8 3	1 2 10 10 10	1 1 - 6	1 1 2 -	- 2 1 1 2 6	- - 2 1	111111	- - 2 1	- - - 1	1	2
	Total	174	172	346	63	154	217	54	12	66	52	2	54	5	4	9

TABLE 13 __Mornital Condition of Piret Admissions described units Reference to Desiration Describe

UNASCEB-  TARED  M F T T T T T T T T T T T T T T T T T	4 2 - 2
	67
	<u> </u>
	4
8 4 1411111411114111114	
DIVORCED DIV	2
D D D	7
8 E 11111111111111111111111111111111111	9
Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separated Separa	5
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C C C C C C C C C C C C C C C C C C C	63
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Table 14.—Psychoses of Readmissions.

	PSYCHOSES	M.	F.	T.	M.	F.	T.
1.	Traumatic				_		_
2.	Senile, total				-	1	1
	a. Simple deterioration		]		- 1	-	_
3.	Cerebral arteriosclerosis				-	-	-
4.	General paralysis				-	1	1
5.	Cerebral syphilis			. <b></b>	-	-	-
6.	Huntington's chorea					-	-
7.	Brain tumor				-	-	-
8.	With other brain or nervous diseases				- 1	-	-
9.	Alcoholic, total				4	2	6
	d. Acute hallucinosis	3	1	4			
	e. Chronic hallucinosis	-	1	1			
	h. Alcoholic deterioration	1	-	1			
0.	Due to drugs and other exogenous toxins				- 1	-	l –
1.	With pellagra				-	-	-
2.	With other somatic diseases			l i	-	-	-
3.	Manic-depressive, total			[. <b>.</b> ]	8	14	22
	a. Manic type	5	6	11			
	b. Depressive type	3	4	7	1		
	d. Mixed type	-	2	2			
	e. Circular type	-	2	2			
4.	Involution melancholia				1	-	1
5.	Dementia praecox, total	. <b>.</b>	l. <b>.</b>		20	17	37
	a. Paranoid	8	7	15			
	b. Catatonic	4	7	11			
	c. Hebephrenic	6	3	9	li l		i .
	d. Simple	Ž	-	2			
6.	Paranoia and paranoid conditions			1	-	-	-
7.	Epileptic				-	-	-
8.	Psychoneuroses and neuroses		l		- '	-	-
9.	With psychopathic personality	1			-	-	-
20.	With mental deficiency				1	1	2
1.	Undiagnosed				2	1	3
2.	Without psychosis				-	-	-
	Total				36	37	73
	10021				30	01	13

Table 15.—Discharge of Patients classified with Reference to Principal Psychose and Condition on Discharge.

	7		Тота	L	RE	COVE	ED	Ім	PROV	ED		Unim- rove			Non IABAI	
	Psychoses	M.	F.	т.	M.	F.	Т.	M.	F.	T.	M.	F.	Т.	M.	F.	T.
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 221. 222.	Traumatic Senile With ecrebral arteriosclerosis. General paralysis With herebral syphilis With Huntington's chorea With brain tumor With other brain or nervous diseases Alcoholic Due to drugs and other exogenous toxins With pellagra With other somatic diseases. Manic-depressive Involution melancholia Dementia praecox Paranoia and paranoic conditions Epileptic Psychoneuroses With psychopathic personality With mental deficiency Undiagnosed	21 - 8 18 - 36 - 1 2 - 4 1	- 4 1 1 2 2 4 3 3 - 1 10 32 3 39 - 1 4 - 2 2	1 4 4 3 4 - - 24 - 1 18 50 3 75 - 2 6 6 1 3	1 13 4 17	11028	1 	- 2 1 1 - - 8 8 - 3 1 1 - - 4 1	- 3 1 1 1 4 2 2 2 2 32 	3 3 3 2 4 4 10 - 3 3 3 2 2 64 - 1 2 - 4 1 1	1 1 1 1 1	1 1 2 1 7 7 2 2 2 1	1 1 1 1 1 1 - - - 1 2 1 11 11 - - - 1 2 1 1			
44.	Without psychosis		107	205	37	42	79	52	50	102	7	14	21	$\frac{2}{2}$	1	3

Table 16.—Causes of Death of Patients classified with Reference to Principal Psychoses.

	Аксонолс Воматис Бівваява	F. T M.		1 1	1 7 4
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60 +	OTHER BRAIN OR NERVOUS DISEASES	퍈.		1 1	-
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3	Wітн Секевка Зтриців	됴	1111111111	1 1	20
		Ä	(1111111111	1 1	-
70.0	AL SIS	Ţ	111111111111111111111111111111111111111	1 1	83
200	General Paralysis	F.	131111111111111111111111111111111111111	1 1	-
o free		M.	111111111111111111111111111111111111111	1 1.	9
200	RAL 10- 818	Ę	111911111111111111111111111111111111111		25
2000	WITH CEREBRAL ARTERIO- SCLEROSIS	표.	111-11111111111111111111111111111111111	,	19
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		T.	11-1112111 611 1 1101 1 12	1 1	27
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10. Causes of Deann	Total Senile	M. F.	111111011110011 1 1001 1 100	7 6	19
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 $\begin{tabular}{lll} \textbf{Table 16.--Causes of Death of Patients classified with Reference to Principal Psychoses---Concluded.} \end{tabular}$ 

CAUSE OF DEATH		Manic PRESS			VOLUTI LANCH(			EMENT RAECO			TH ME	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
General Diseases												
Acute alcoholism	-	-	- 1	-	-	- 1	-	-	- 1	-	-	-
Arthritis deformans	-	-	-	-	-	-	-	l –	- 1	-	-	-
Carcinoma of breast	-	-	i - I	-	-	-	-	-	i - I	-	-	-
Carcinoma of intestine	1	-	1	- 1	-	- 1	-	1	1	-	-	-
Carcinoma of stomach	-	-	_	-	_	- 1	-	1	1	-	-	-
Diabetes mellitus	-	-	-	-	-	-	-	-	- 1	-	-	-
Erysipelas. Influenza	_	-	-	-	_		1	-	1	-	-	-
Peritonsillas abscess	_	ī	1	-	I -	-	1	-	1 1	-	_	-
Pulmonary tuberculosis	1	i	2	1	-	1	-	5	5	2	=	2
Cerebral hemorrhage	_	_	_	_	1	1	_	_	_	_	_	-
Cerebral syphilis	_	-	-	-	-	_	-	_	-	_	-	l –
General paralysis Respiratory System	-	-	-	-	-	-	-	-	-	-	-	-
Broncho-pneumonia	-	-	-	-	1	1	-	1	1	-	-	-
Cerebral embolus	-	-	-	-	-	- 1	-	-	-	-	-	-
Cerebral thrombosis	-	! -	-	-	-	-	ll -	-	- 1	-	-	-
Endocarditis and myocarditis	3	-	3	1	l –	1	2	3	5	-	1	1
Thrombosis of cavernous sinus  Digestive Sustem	-	-	-	-	-	-	1	-	1	-	-	-
Acute appendicitis	-	-		-	-	-	-	-	-	-	-	-
Nephritis, acute	_	1	1	-	-	l - I	_	-	-	-	_	-
Nephritis, chronic	1	-	1	-	-	-	-	-	- 1	-	-	-
Perinephritic abscess Diseases of the Skin	-	-	-	-	-	-	1	- ,	1	-	-	-
Gangrene	1	-	1	-	-	-	-	-	-	-	-	-
Total	7	3	10	2	2	4	5	11	16	2	1	3

Table 17.—Age of Patients at Time of Death classified with Reference to Principal Psychoses.

		Total		UNI	Under 15 Years		1. Ye	15-19 Years		20 YE	20-24 Years		25-29 Years	99 R.S		30-34 Years	44 S		35-39 Years	8		40-44 Years	- 9
Ратсновев	M.	F.	Ţ.	M.	F.	ī.	М.	F.	T.	M.	F. T.	Σ̈́	ᄄ	Fi	Ä.	표	Ţ.	Ä.	ᄄ	Ę	Σ̈́	524	Ţ.
1. Traumatic 3. With earbural arterioselerosis 4. General paralysis 5. With earbural stretioselerosis 6. With earbural styllis 6. With Huntington's clorea 7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra 12. With other somatic diseases 13. Mani-clepressive 14. Involution melancholis 15. Dementis praceor 16. Paranos and paranote conditions 16. Paranos and paranote conditions 17. Epileptic 18. Psychoneuroses 19. With psychogathic personality 10. With mental deficiency 11. Undiagnosed 12. Without psychosis	10000	,	12222	11111111111111	   1   1   1   1   1   1   1   1   1	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11111111111		 		111111111111111111111		111-1111111111111111		1111-11111111-11111					11101111011111011110	111411111111111111111111111111111111111		11(001)
Total	E	88	129	1	<u> </u>	1	_	_	67	1	1	_		~ 	~	~~~	4		1	_	rç.	<u>~</u>	<b>1</b> 2

Table 17.—Age of Patients at Time of Death classified with Reference to Principal Psychoses—Concluded.

Table 18.—Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses.

-		Гота	L		ss th Mon		N	1-3 Ionti	18		4-7 Mont	HB
PSYCHOSES	M.	F.	Т.	M.	F.	т.	M.	F.	Т.	М.	F.	Т.
1. Traumatic 2. Senile 3. With cerebral arteriosclerosis 4. General paralysis 5. With cerebral syphilis 6. With Huntington's chorea 7. With other brain or nervous diseases 9. Alcoholic 0. Due to drugs and other exogenous toxins 1. With pellagra 2. With other somatic diseases 3. Manic-depressive 4. Involution melancholia 5. Dementia praecox 6. Paranoia praecox 7. Epileptic 8. Psychoneuroses 9. With psychopathic personality 0. With mental deficiency 1. Undiagnosed 2. Without psychosis  Total	9 16 1 	- 8 16 7 5 1 1 1 - 3 3 2 11 1 1	-7 27 25 23 6 1 1 7 10 4 16 3 3 3 129	3 - 1 1 1 1 1 5	3 4 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9 4 3 2 - - 3 - - 4 - - - 1 - - - - 1	6 2 1	1 3 2	7 3 4 4 1	1	1 4 1 1 7	55 77 11 11 12 22 

Table 18.—Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses—Continued.

Paychoses		8-12 Months		1-2 YEARS			3-4 YEARS			5-10 YEARS		
I STURUSES	M.	F.	T.	M.	F.	Т.	M.	F.	Т.	M.	F.	T.
1. Traumatic 2. Senile 3. With cerebral arteriosclerosis 4. General paralysis 5. With cerebral syphilis 6. With Huntington's chorea 7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra 12. With other somatic diseases 13. Manio-depressive 14. Involution melancholia 15. Dementia praecox 16. Paranoia and paranoic conditions 17. Epileptic 18. Psychoneuroses 19. With psychopathic personality 20. With mental deficiency 21. Undiagnosed 22. Without psychosis	1 1 2 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1 1 2 - - - - - 1 1 - - - - - - - - -	1 3 1 1 1 1 7	3 2 1 1 1 1 1 3 3 1 1 1 1 1 1 3 3 1 1 1 1 1 1	3 3 4 1 1 1 1 2 4 1 1 1 1 2 1	1 3 6 1 1 2 1 1 1 14	1 1 2 1 1 1 1 7 7	1 4 77 2 2 3 3 - 1 1 1 2 2 1	1 2 - 1 1 1 1 5	11133	3 2

Table 18.—Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses—Concluded.

Ратсновая		10-15 Years			15-20 Years			20 Years and Over			
	M.	F.	T.	M.	F.	Т.	F.	F.	T.		
1. Traumatic 2. Senile 3. With cerebral arteriosclerosis 4. General paralysis 5. With cerebral syphilis 6. With Huntington's chorea 7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra 12. With other somatic diseases 13. Manio-depressive 14. Involution melancholia 15. Dementia praecox 16. Paranoia and paranoic conditions		2	1.	1	1 2	1.		F	1.		
17. Epileptic 18. Psychoneuroses 19. With psychopathic personality 20. With mental deficiency 21. Undiagnosed 22. Without psychosis  Total	- - - -	2	- 4	1	3	4	2	1	- 2		

Table 19.—Family-care Department.

	MALE	FEMALE	Total '
Remaining October 1, 1923		9	9
Committed within the year	_	4	4
Whole number of cases within the year	_	13	13
Dismissed within the year	_	3	3
Returned to institution	_	3	3
Discharged	_	2	2
Died	_		
Escaped	_	_	_
Remaining September 30, 1924	_	11	11
Supported by State	_	11	8
Private	_	9	2
Self-supporting	_	1 1	í
Number of different persons within the year	_	12	12
Number of different persons admitted	-	10	10
Number of different persons dismissed	-	4	4
Doily exercise number	-	2 00	9.92
Daily average number	-	9.92	
State	-	7.83	7.83
Private	-	2	2
Self-supporting	-	.006	.006

## The Commonwealth of Massachusetts

# ANNUAL REPORT

OF THE

## **TRUSTEES**

OF THE

# NORTHAMPTON STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1929

DEPARTMENT OF MENTAL DISEASES



Publication of this Document approved by the Commission on Administration and Finance 500 7-130. Order 9567

## NORTHAMPTON STATE HOSPITAL

## TRUSTEES.

LAURENCE D. CHAPIN, M.D., Springfield.

MR. ALBERT M. DARLING, Sunderland.

MR. GEORGE C. LUNT, Greenfield.
MRS. EMILY N. NEWTON, Secretary, Wellesley Hills.

MISS CAROLINE A. YALE, Northampton.

MR. WALTER L. STEVENS, Chairman, Northampton.

MR. CHARLES W. KING, Chicopee Falls.

### RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D., Superintendent.

EDWARD W. WHITNEY, M.D., Assistant Superintendent.

HARRIET W. WHITNEY, M.D., Senior Physician to Out-Patient and

Social Service Departments.

B. Angela Bober, M.D., Senior Physician. ELIZABETH KUNDERT, M.D., Senior Physician.

ELIZABETH THOMAS HILL, M.D., Assistant Physician.

HARRY J. HILL, M.D., Assistant Physician.

RUTH TUSTIN, M.D., Assistant Physician.

ALBERT BOURCIER, M.D., Assistant Physician.

CARL EMIL MEYER, M.D., Assistant Physician.

RHODA U. MUSGRAVE, M.D., Assistant Physician.

LUCIEN H. HARRIS, D.D.S., Dentist.

FRANK W. SMITH, Steward.

### NON-RESIDENT OFFICERS.

MISS EVA L. GRAVES, Chief Clerk and Treasurer (Office at the Hospital).

### HEADS OF DEPARTMENTS.

MR. L. W. SINCLAIR, Chief Engineer.

MR. HARRY M. LEE, Head Farmer.

MISS ALICE E. BEDELL, R.N., Superintendent of Nurses.

MISS MARY W. KILLAM, Psychiatric Social Worker.

MISS VERA A. MATHIEU, Head Occupational Therapist.

### TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council:

The Trustees of the Northampton State Hospital have the honor to present herewith their report for the year ending November 30, 1929.

The daily average number of patients was 1,389 as compared with 1,269 the previous year. The net weekly cost of maintenance was \$4.6967 per capita.

The Acting Superintendent's report gives in detail the activities of the medical

and all other departments, including changes in the staff.

The following resolutions were presented to the Board by the committee ap-

pointed in May.

Whereas, in accordance with statute law, the Superintendent of this hospital, Dr. John A. Houston, retires in July 1929 of this year from the position which he has held so long.

Now, therefore, the Board of Trustees wishes to express its deep appreciation of Dr. Houston's singularly able and faithful service. Dr. Houston came to the Northampton State Hospital in 1889 as First Assistant Physician and was made

Superintendent in 1897.

From that time on the history of the institution has been as embodiment of Dr. Houston's remarkable personality, which has left its impress on every phase of the work. To wide and exact medical knowledge, to a keen understanding of the problems of psychiatry based on an ever-widening experience, he added a distinguished executive ability, a dauntless initiative and steady fidelity to high ideals.

Still farther, the peculiarly human and sympathetic quality which has been shown in the treatment and methods pursued here, has, we feel, drawn its inspiration and its constantly renewed strength from Dr. Houston's personal attitude. To him a patient has always been an individual, not simply a case. Every patient admitted was personally known by him—so far as it was humanly possible—and it has always been his object to establish genuinely friendly relations between patients and the medical staff. That he has been so ably seconded by his staff in all his aims is a proof of his keen insight and judgment in the selection of men.

A renewal of the request for an appropriation to rebuild the recreation building, which was destroyed by fire, is made. This building is much missed by the male patients, who used it freely for recreation purposes, as well as a smoking room.

Our hospital population is growing rapidly and the acreage of land is too small to meet our present needs. It would, therefore, be desirable to provide for the

purchase of additional land.

In a large institution there are always many repairs and replacements to be made. The more important of these, which were cared for during the past year, are mentioned in the Acting Superintendent's report.

Attention is called to the following outstanding items of repairs and renewals

which should be made during the coming year:

Repairs to the plumbing in the South Infirmary, the North Infirmary and the First Halls South.

Additional drinking fountains.

Table saw for the carpenter shop.

Painting the iron fence surrounding the grounds.

Aluminum coffee urns.

Remodelling the third floor of the North Infirmary and the fourth floor of the South Infirmary to provide for the better care and treatment of patients, as well as for additional space for patients.

Dr. Elizabeth Kundert was appointed Senior Physician on June 3, 1929.

Dr. Rhoda U. Musgrave was appointed Assistant Physician on July 15, 1929 and Dr. Albert U. Bourcier was promoted to the position of Senior Physician on November 9, 1929.

Respectfully submitted,

MR. WALTER L. STEVENS, Chairman, Northampton MRS. EMILY N. NEWTON, Secretary, Wellesley Hills MR. CHARLES W. KING, Chicopee Falls MR. ALBERT M. DARLING, Sunderland MR. GEORGE C. LUNT, Greenfield MISS CAROLINE A. YALE, Northampton DR. LAURENCE D. CHAPIN, Springfield

Trustees.

## ACTING SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital:

I herewith submit my report for the year 1929.

#### MOVEMENT OF POPULATION.

Number of patients on our books October 1, 1928 was 1,558. There were admitted during the year 552 patients, making a total of 2,110 under care and treatment during the year. There were discharged to their relatives or transferred to other institutions 267, and there were 164 deaths, leaving 1,679 on our books September 30, 1929, of which 1,416 were in the hospital and 263 were on visit or otherwise absent.

### MEDICAL ACTIVITIES.

There were many changes on our staff during the past year. Dr. John Alexander Houston, Superintendent, having reached the age of 70, retired on

July 30, after forty years of service in this hospital, 32 years of which he served as superintendent. As yet no superintendent has been appointed to fill the vacancy.

Dr. B. Angela Bober, Senior Physician in charge of the female wards, left the

service July 20. She has been on our staff since October 1, 1911.

Dr. Harry Hill, Assistant Physician, who came here September 28, 1926, left the service June 1, 1929, to enter private practice.

Dr. Elizabeth Thomas Hill, Assistant Physician, who joined our staff on October 16, 1923, retired on November 16, 1929, to enter private practice.

Dr. Carl Emil Meyer, Assistant Physician, was added to our staff May 20, 1929. He has resigned, his resignation to take effect in January, 1930.

Dr. Ruth Tustin, who entered the service as Assistant Physician on October 19,

1926, left the service May 31, 1929.

Dr. Elizabeth Kundert, on June 3, 1929, was appointed Senior Physician. She graduated from the Women's Medical School of Pennsylvania in 1926, entered the State service at Medfield State Hospital on August 17, 1926; was on the staff at the Belchertown State School from February 1, 1927, until she joined our staff.

Dr. Rhoda U. Musgrave was appointed Assistant Physician July 15, 1929. She graduated from the University of Nebraska Medical School in 1928 and served in

the Alameda County Hospital in Oakland, California for one year.

Mr. Fred Aldrich, employed in this hospital for thirty years, seven of which he

served as male supervisor, died in April, 1929.

Miss Susan E. Warren retired in May, 1929. She had been in State service since 1894 and had served as matron since June, 1905.

Mr. Thomas Claire, who was employed here as plumber since April 28, 1898,

died in April, 1929.

Dr. Albert U. Bourcier, who has been assistant physician since June 1, 1927,

was promoted to the position of senior physician on November 9, 1929.

As usual classes from the near-by colleges were given lectures on hospital economics and abnormal psychology. The classes from Smith College Summer School of Social Service came to the hospital twice a week during August.

Staff meetings had to be discontinued in October because of depletion of the

staff.

4

Our dentist reports that there were 777 fillings, 386 teeth extracted, one new plate made and 56 repaired. Gums and teeth were treated in 526 cases. Crowns were cemented on in 10 cases.

### OUT-PATIENT SERVICE.

Clinics are held once each month in Springfield, North Adams, Greenfield and Pittsfield. 175 patients, who were absent from the hospital on visit, reported at the clinics. Inquiries concerning 609 patients were made by their relatives. 44 patients were referred for advice by social agencies, 12 were referred by physicians, 4 by other institutions, 21 by relatives and 7 came of their own volition, making a total of 872.

The Out-Patient physician gave service of one day a week to the Juvenile Court in Springfield where 80 patients were examined. The Out-Patient physician, at the request of Dr. Overholser, visited jails in the three Western counties

and gave psychometric tests to 32 prisoners.

The school clinic, consisting of a physician and psychologist, conducted examinations of retarded children in the schools of 29 towns. Of the 572 children examined, 344 were first examinations and 228 were re-examinations of children who were already in special classes or in whom diagnosis had been deferred at previous examinations. This gives a total of 1,556 individuals whose cases were handled by our Out-Patient Department.

## SOCIAL SERVICE.

On April 1, 1929, Rhoda L. Smith was appointed assistant to Miss Killam, Social Worker.

During the year 278 new cases were given social service, in addition to all those renewed and continued from previous years. A total of 580 visits were made in

P.D. 21

connection with supervision of patients.

The functioning of the department has been the same as in the past—obtaining histories of newly admitted patients, supervision of patients on visit, supervision of patients in family care and investigating home conditions before patients are discharged.

## OCCUPATIONAL THERAPY AND INDUSTRIAL DEPARTMENTS.

Doris E. Montgomery, head occupational therapist, left the service on March 23, 1929, and Vera A. Mathieu, who was her assistant since March 1, 1928, was promoted to the position as head occupational therapist on July 15, 1929.

Classes were started in the sun room of A-4. for the patients in the A. and B. buildings. A very brief outline of the work done in the industrial and occupational therapy departments is as follows: 352 pairs of shoes soled; and 464 pairs heeled; 503 shoes patched; 286 mattresses made over from old material; 255 mattresses made over from new material; 204 pillows made over, old material; 160 pillows made over, new material; 32 chairs caned; 724 brooms made; 696 rag rugs woven; 108 jumpers made; 259 pairs of overalls made; 113 men's shirts made; 159 yards of cloth woven; 112 pairs of bed socks made; 1 hamper basket made; 14 settee cushions made; 8 couch covers made; 8 chair cushions made; 24 hydro pillows made; 26 laundry baskets made; 74 canvas mattresses made.

4,107 towels were hemmed; 1,157 pillow cases were made; 30 raffia waste baskets; 1,132 flour sacks hemmed; 591 crocheted and knitted face cloths; 7 pairs of crocheted bed room slippers; 1 knitted scarf; 96 pairs of cretonne curtains; 68 pairs of scrim curtains stencilled; 41 reed baskets made; 14 reed mats; 2 reed trays; 5 sweaters; 301 runners and stand covers; 12 cloth door pads; 7 holders; 1 reed window box; 1 dresser set; 51 valances; 7 hooked rugs; 37 sofa pillows.

#### ASSEMBLIES OF PATIENTS.

There were 173 assemblies of patients in the chapel during the year. These assemblies consisted of religious services, motion pictures, dances, parties, band and orchestra concerts, minstrels and plays.

During the summer evenings, a series of ball games was played for the championship of the hospital between teams composed of patients and employees,

in which the patients were victors.

On retiring Dr. John A. Houston had installed on our organ a set of chimes. This organ was given to the hospital by a former superintendent, Dr. Edward B. Nims, when he retired in 1897.

A much needed curtain for the stage in the chapel was purchased with money

willed to the hospital by the husband of a former patient.

Radios were installed in B 3, Upper First North, Middle First North and Upper First South.

B 2 and B 4 were opened and occupied by women patients in October and

November, 1928. A 2 and A 3 were occupied in April, 1929. A 4 will be opened as soon as we

have a sufficient number of nurses.

Dining rooms were opened in A I and B I for patients in those buildings. Although the food is brought from the main kitchen, it is served hot as it is transported in vacuum carts.

Two new cottages were opened during the year, one being occupied by the

steward and one by an assistant physician.

The new nurses' home for women attendants was opened in July, although it was not completely furnished until September. It is a well-planned building, pleasantly situated and tastily furnished and has many conveniences which add to the comforts of our nurses.

### FARM.

The usual acreage of farm and garden crops were planted, but due to the extremely dry season, some of the crops as early potatoes, cabbage and onions

yielded only a partial tonnage. Had it not been for artificial sprinkling, the strawberries and turnips would have been nearly a failure.

The ensilage corn was planted early, came up quickly and yielded 408 tons of well-matured corn. This tonnage will carry the institution well into June when

green feed will be available.

The hay crop (first cutting) was good, yielding 250 tons. The usual tonnage of second crop was a failure because of the drought. There was also cut nearly 100 tons of green hay for the dairy. The above tonnage is ample for the needs of the institution.

The yield of potatoes was less than normal. It is doubtful if a profitable crop of potatoes can be grown on the institution farm under the present tillage

conditions.

Nearly every garden crop gave a maximum tonnage, as follows: String beans, 12,375 lbs.; shell beans, 1,646 lbs.; beets, 44,507 lbs.; cabbage, 34,989 lbs.; carrots, 29,601 lbs.; celery, 3,592 lbs.; sweet corn, 32,812 lbs.; onions, 36,644 lbs.; parsnips, 3,164 lbs.; peas, 2,877 lbs.; pumpkins, 3,000 lbs.; squash, 38,068 lbs.; tomatoes, 38,511 lbs.; turnips, 37,508 lbs.; rhubarb, 11,405 lbs.; strawberries, 5,108 lbs.

The past season was not an apple year. The set was very light and the quality

poor.

Poultry — Beginning the fiscal year there were 647 hens. 2,000 chicks were purchased. Total on hand at the end of the year, 748 hens. There were 2,204 lbs. of fowl used for food and 2,325 lbs. of broilers. 5,499 dozen of eggs were produced.

A new hen house was built, which was much needed for winter housing.

The swine made a very satisfactory showing. Although there were two slight out-breaks of cholera, over 40,000 lbs. of pork were produced and we had a much larger and better herd at the end of 1929. Also, the hospital again won the ton litter contest as in 1928.

The dairy is in a much better condition than for the past two years. The total yield of milk, 548,035 lbs., is somewhat lower per cow than in former years, due largely to breeding troubles in the past. Six cows were purchased, seven slaughtered for beef and two died. Nearly all the heifer calves are being raised to take the place of those cows that are no longer profitable. At the present time the herd consists of 100 head against 77 a year ago. A much better price has been obtained for the young calves.

About 800 tons of ice were harvested which was ample for the needs of the

institution.

Several hundred loads of stone have been cleared from the different fields and drawn to the crusher for future road use.

The physical condition of the institution farm, as a whole, is much improved.

## REPAIRS AND IMPROVEMENTS.

There were many repairs made which are necessary to keep the hospital running efficiently. The following is a brief list of some of the more important repairs, renewals and additions.

Installation of a doughnut machine and a new vegetable steamer in the main kitchen.

The hydrant system was extended to the New Nurses' Home and to the new cottages.

Pipes for gas were extended to Cottages, 2, 3, 4 and 5.

A steam heating system was installed in employees' Cottages 3, 4, 5, 7 and 10. The installation of the new plumbing was completed in the toilets and bathrooms in the Earle Building.

New plumbing fixtures were installed in the toilets of the First Halls North. The wiring of the attics of the ward buildings for electricity was completed. The electric light fixtures were replaced in L.3. South.

A new electric central call station was installed in the hospital telephone room. An underground conduit and cables were laid for electric lights and power from the ice machine room to the main barn.

Cement floors were laid in the basement rooms of the Employees' Home South and basements of Cottages 4, 5 and 10.

A new concrete retaining wall was built on the north side of the New Nurses' Home.

The pond just south west of the New Nurses' Home was filled in.

A new concrete curbing was laid on one side of the road leading to the rear of the Main Building.

In behalf of the patients I wish to thank the numerous friends of the hospital for the gifts donated for their benefit — money, victrolas, candy, fruit, magazines and books.

I also wish to express my appreciation to the employees for their loyalty and cooperation given me in conducting the activities of the hospital pending the appointment of a new superintendent.

EDWARD W. WHITNEY,

Acting Superintendent.

## VALUATION.

November	30,	1929.
D T	٠	

Land, 513 acres Buildings	:	:	•	:	:	:	: .	:	:	:	:	:	•	\$167,700.00 1,720,539.46
-				-					•					
					PED	SONAL	Prot	FDTV						\$1,888,239.46
			~			SOMAL	I KOI	EKII	•					
Travel, transporta	ation a	and o	mce ex	cpense	8.							• -		\$2,281.10
Food									-					9,585.15
		•	•	•	•	٠.	•	•	• ,	•	•	•	•	
Clothing and mat			•	•			•	•	• .					19,321.58
Furnishings and h	iouseh	old s	upplies	3.										75,711.35
Medical and gene							-					•	•	2.525.61
				•	•	•	•		•	•	•	•	•	
Heat, light and pe	ower													11,083.96
Farm		5 Table 1						4.						48,812.60
			•		, .	•		. •	•	•	•		•	
Garage, stables ar	iu gro	unus		• .	•				•	•		•	•	7,242.50
Repairs							. 2						:	19,111.08
					,			- 1	,					
· · · · · · · · · · · · · · · · · · ·														0105 651 05
:						_								\$195,674.93
						SUM	MARY.							
Real estate .														\$1,888,239.46
	•	•	•	•	•		•	•	•	•	•	•	•	
Personal property														195.674.93
														-
														60 007 07 4 70
														\$2,083,914.39

## FINANCIAL REPORT.

## To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1929.

		C	ASH .	ACCO	DUNT.							
			Rec	ceipt	s. :		١					
Income. Board of Patients						•		. )	\$1	18,966.	77.	0110.066.77
Personal Services:									_		_	\$118,96677
Reimbursement from Board	of Re	tiremer	ıt									140.33
Sales:	01,				•	•	•	•	•	•	•	140.33
Food	7				_					\$ 97.	32	
Clothing and materials .					•	•	•	•		124.		
Furnishings and household s	nolia				•	•	•	•				
Madical and mouschold s			•	•	•	•	•	•		32.		
					•			•		88.	51	
Farm:												
Cows and calves .	•									244.	39	
Hides										51.	14	
Wood											00	
Sundries, barrels and bags							-	-		22.		
Garage, stable and grounds					•	•	•	•		1.		
Repairs, ordinary .	•			'	•	•	•	•,				
	•			•	•		•	•		75.		
Arts and Crafts sales .	•		•		•		•			9.	50	
									-			
Total sales	•											748.43
Miscellaneous:												
Interest on bank balances										\$713.	68	
Rent						•	•	•		970.		
	Ť				•	•	•	•	_		-	\$1,683.78
Total income											-	0101 F20 21
Total income	•			•		•						\$121.539.31

Balance from previous year, brought forward Appropriations, current year

\$ 6,595.12 499,000.00

Total	7	15:11 639		: : :	\$505,595.12 460,772.92
Balance reverting to Treasury of Co	mmonwealth				\$44,822.20
Carlette Barrell	` Analysi	e of Evpenses			
Personal services		s of Expenses.	•		\$223,656,88
Religious instruction			•		1,220.00
Travel, transportation and office exp	oenses				5,972.45
Food					101,895.24
Clothing and materials					8,144.62
Clothing and materials Furnishings and household supplies					24,746,77
Furnishings and household supplies Medical and general care Heat, light and power					11,258.90
Heat, light and power					32,380,72
Farm					23,556.28
Garage, stable and grounds.	**				3,430.73
Repairs, ordinary					14,815.66
Repairs and renewals					9,694.67
Total expenses for Maintenance	e		0.:		\$460,772.92
	<u> </u>				
Dulana Dr. and Mark 1000	SPECIAL A	APPROPRIATION	s.		
Balance December 1, 1928					\$17,059.65
Appropriations for current year .					32,500.00
Total . Expended during the year (see state	ment below)		: :	\$20,423.10	\$49,559.65
Reverting to Treasury of Commonw	ealth .			18.54	20,441.64
Balance November 30, 1929, ca	rried to next	year	·	,• .• •	\$29,118.01
- 2		1		1	
OBJECT.	. Act . or . Resolve.	Whole. Amount.	Expended During Fiscal Year.	Total Expended To Date.	Balance at End of Year.
Ward Building Nurses' Home Furnishing Nurses' Home Superintendent's House	Ch. 138 '2' Ch. 138 '2' Ch. 146 '29 Ch. 146 '29	10,000.00	\$15,632.37 .1,408.74 .3,381.99	\$181,981.46 141,275.00 3,381.99	\$ 18.54* 6,618.01 22,500.00
		\$355,775.00	\$20,423.10	\$326,638.45	\$29,136.55
P. I	<u> </u>				

MAINTENANCE.

Balance reverting to Treasury of the Commonwealth during year (mark item with*) . \$18.54 29,118.01 Balance carried to next year Total as above . . . \$29,136.55

Per Capita.

During the year the average number of inmates has been 1,389.
Total cost for maintenance, \$460,772.92

Equal to a weekly per capita cost of \$6.3794 (52 weeks to year).
Receipt from sales, \$748.43.

Equal to a weekly per capita cost of \$0.0098.
All other institution receipts, \$120,790.88.

Equal to a weekly per capita cost of \$1.6674.

Net weekly per capita \$4.6967.

Respectfully submitted,

EVA L. GRAVES, Treasurer.

## STATISTICAL TABLES.

## As Adopted by American Psychiatric Association. Prescribed by Massachusetts Department of Mental Diseases.

## Table 1. General Information.

Superintendents	2.	Type of institution Hospital plant: Real estate, inche Personal propert	n: Sta uding b	te.				_	ust 16,	, 1858 :	· :	:	:		8,239.46 5,674.93
Superintendents   F. M.   Assistant physicians   Assistant physici	4.	Total acreage of Acreage under co				513.	47.	•	•	٠	·	•	•	\$2,08	3,914.39
Assistant physicians													F.	M.	T.
Dentist													1	_	1
Total physicians			ians .										4	6	10
5. Employees:       -       5         Graduate nurses       -       5         Other nurses and attendants       59       52       1         Social workers       -       2         All other employees       73       50       12         132       109       22		Dentist											1	-	1
5. Employees:       -       5         Graduate nurses       -       5         Other nurses and attendants       59       52       1         Social workers       -       2         All other employees       73       50       12         132       109       22													_	_	
Graduate nurses       -       5         Other nurses and attendants       .       59       52       1         Social workers       -       2         All other employees       73       50       12         132       109       22	5.		cians	•	•	•	٠	•	•	•	•	٠	6	6	12
Other nurses and attendants       59       52       1:         Social workers       -       2       2         All other employees       -       73       50       12         -       -       -       132       109       2:													_	5	5
Social workers				dants									59		111
132 109 24													_	2	2
		All other employ	yees .	•		•	•		•				73	50	123
Percentage of patients employed during year		Percentage of patie	ents em	nloved	durii	ig vear							132 54.2	109 64.8	241 59.5

Note: — The following items, 5 to 9, inclusive, are for the year ended September 30, 1929. Census of patient population at end of year:

o. Census of patient po	pulatio	on at	ena o	ı ye		lly in H	ospital.			from H		
					M.	F.	T.		M.	F.	T.	
White: Insane Epileptics Mental defectives All other cases	= :	:	a: :	:	617 1 24	739 18 4	1,356 1 42 4		107 - 1 1	149 - 2 1	256 - 3 2	
Total Other races:	•	٠			642	761 4	1,403		109	152	261	
Insane  Total  Grand Total .	:	:	:	:	9 651	4 765	13 1,416		110	1 1 153	2 2 263	-
<ol> <li>Patients under treatraining, on date</li> <li>Other patients emp</li> <li>Average daily num</li> <li>Voluntary patients</li> <li>Persons given advi</li> </ol>	of repo loyed ser of admit	ort . in gei all pa ted d	neral v tients luring	vork act yea	of hos ually in	pital or hospita	date of a during	report year	M. al 9 336 640 4 327	F.  130 340 732 6 188	T.  139 676 1,372 10 515	

### Table 2. Financial Statement

See treasurer's report for data requested under this table.

Note:—The following tables 3-19, inclusive, are for the statistical year ended September 30, 1929.

Table 3. Movement of Patient Population.

O TABLE		noemer	Movement of attent topulation	tent ro	nanad	16.		•				
	ij	Insane.		Vol	Voluntary.	.;	Tempo Obsi	Temporary Care and Observation.	CARE		Total on Books.	
	M.	뚄	Ŀ	M.	Ħ	F.	M.	표.	T.	M.	E.	T.
Patients on books of institution September 30, 1928. Admissions during year:	969	847	1,543	4	-	70	∞	67	10	408	850	1,558
First admissions	214	183	397	П	က	4	37	15	52	252	201	453
Readmissions	35	51	98	က	က	9	1	-	H	88	55	93
Transfers from other hospitals for mental diseases .	က	က	9	ι	ι	1	i	i	ı	cc		9
Total received during year	252	237	489	4	9	10	37	16	53	293	259	552
Total on books during year	948	,084	2,032	∞	2	15	45	18	63			2,110
As magazined	Ċ	7	)		,	•	•		1	:		i
A Second a		ν,	66	1	4	4	17	<b>.</b> 0	15	49	25	74
As improved	41	64	105	03	ı	01	က	က	9	46	29	113
As unimproved	14	14	28	2	23	4	က	4	2	19	20	33
As without psychosis	က	9	11	ſ	1	1	12	က	15	17	6	56
Transferred to other hospitals for mental diseases.	13	-	14	1	ı	ı	-	1	-	14	<del>,  </del>	15
Died during the year	86	99	155	ι	Н	1	9	7	∞	95	69	164
Total discharged, transferred, and died during year  Insane patients remaining on books at end of hospital	199	169	368	4	2	11	37	15	52	240	191	431
In hospital	640	762	1,402	4	ι	4	2	က	10	651	765	1,416
On parole or otherwise absent	109	153	262	i	١	1		ı	1	110	153	263
Total	749	915	1,664	4	ı	4	∞	က	=	761	918	1,679

Table 4. Nativity of First Admissions and of Parents of First Admissions.

NATIVITY		PA	TIENT	s.		NTS OF M		Pari	ENTS OF F PATIENTS	EMALE.
MAIIVIII	•	м.	F.	т.	Fathers.	Mothers.	Both Parents.	Fathers.	Mothers.	Both Parents.
United States . Austria Belgium . Canada¹ England . France . Germany Greece . India . Ireland . Italy . Mexico . Norway . Poland . Roumania . Russia . Scotland . South America . Spain . Sweden . Other countries .		136 3 1 14 2 1 5 3 - 13 6 1 1 1 2 1 5 3 - - - - - - - - - - - - - - - - - -	119 2 	255 5 1 24 5 1 8 3 10 11 24 - 11 5 1 1 1 1 1 1 1 1 1 1 1 1 1	71 5 1 31 5 1 6 3 3 - 38 7 7 1 1 2 17 - 10 4 - 1 2 9	73 3 1 27 7 1 6 3 - 41 8 8 1 1 17 - 10 3 3 - - 10 10 10 10 10 10 10 10 10 10 10 10 10	59 3 1 24 3 3 1 6 3 3 7 1 1 17 10 2 - 5	33 16 9 15 - 38 8 - 15 1 15 1 4 4 1 8	73 3 - 13 6 41 6 15 - 4 4 4 4	62 3 -10 5 -4 4 3 37 6 15 -3 3 4 4 2 8
Total .		214	183	397	214	214	181 `	183	183	161

¹Includes Newfoundland.

Table 4-A. Age of First Admissions Classified with Reference to Nativity, and Length of Residence in the United States of the Foreign Born.

	Nativity	tained.	E 11111111111111	
	SION.	Unascer- tained.	Ä 111111111111111111111111111111111111	
	TIME IN UNITED STATES BEFORE ADMISSION.	15 years and over.	M 1 1 2 2 2 3 2 3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	62 1
FOREIGN BORN.	STATES B	10-14 years.	<del>L.                                      </del>	1 1
FOR	IN UNITE	5-9 years.	R	1 2 3
	TIME	Under 5 years.	H	1 - 1
		Total.	M   F   1   1   1   1   1   1   1   1   1	8 64 142
		d. Unascer- tained.	M. 111111111111111111111111111111111111	48 4 7 11 78
Born.	PARENTAGE.	Foreign. Mixed.	A       111204844428141         T       110080900000000000000000000000000000000	32 76 30 18
NATIVE BORN.		Native. For	F. T. M. 12. 12. 13. 14. 15. 17. 10. 15. 17. 10. 17. 17. 17. 17. 17. 17. 17. 17. 17. 17	62 120 44
		lotal.	M. F. T. M.  1	136 119 255 58
	Aggregate,		F. T. 15 12 12 15 15 15 15 15 15 15 15 15 15 15 15 15	183 397
	AGE GROUPS. A		Under 15 years	tal 214
	AC		Under 15-19 3 20-24 3 30-32 3 35-39 3 45-49 4 45-49 5 50-54 9 55-59 9 65-69 7 65-69 7 65-69 7	Total

## TABLE 5. Citizenship of First Admissions.

											Males.	Females	. Total.
Citizens by birth	:	,,,				•			•		136	119	255
Citizens by naturalization	١.	,	•	:	:	:	:			:	41	28	52 69
Citizenship unascertained	·							. •			4	1,7	- 21
Total											214	183	397

## Table 6. Psychoses of First Admissions.

	Psychoses.				M.	F.	T.	M.	F.	T.
1.	Traumatic psychoses							1	·	1
	Senile psychoses				1			4	13	17
3.	Psychoses with cerebral arteriosclerosis							39	22	61
4.	General paralysis				1			20	4.	24
									1	1
6.	Psychoses with cerebral syphilis Psychoses with Huntington's chorea								_	_
7.	Psychoses with brain tumor .							_	1	1
Ŕ.	Psychoses with brain tumor . Psychoses with other brain or nervous d	isease's.	total					4	4	â
٠.	Cerebral embolism				_	1	1			•
	Meningitis, tubercular or other forms	8 :			-	_	_			
	Multiple sclerosis				1	-	1			
		•			3	3	6			
a	Other diseases Alcoholic psychoses, total		•		l			41	3	44
٠.	Delirium tremens		•	•	i		1	. ~ ~		**
	Delirium tremens		•	•	2	1				
			•	•	24	î				
	Otl t tl!-		•	•	14	î	15			
Λ	Psychoses with pellagra	noue to	ovine t	otal	14		,10		_	
٧.	Psychoses with pellagra	nous to	UAIIIS, L		1				1	
	Danahaga with ather sematic diseases t	otal .	•					0	17	26
۷.	Post infections perchasis	otai .	•	•	i			, ,	17	20
	Fulcation delicitum		•	•	1 1		6	1		
	Post-infectious psychosis Exhaustion delirium Delirium of unknown origin Cardio-renal diseases				·	3.	2			
	Denrium of unknown origin .		•	•	4	5	· 5	1		
	Cardio-renal diseases				3			İ		
•	Cardio-renal diseases Other diseases or conditions Manic-depressive psychoses, total			•				00	20	
٠,	Manic-depressive psychoses, total		. (*					28	36	64
	Manic type		•	•	20					
	Depressive type Other types				7	22				
	Other types				1	1	2			
4.	Involution melancholia Dementia praecox (schizophrenia) Paranoia and paranoid conditions Epileptic psychoses Psychoneuroses and neuroses, total				ļ	• • • • •	· · · · · ·	13	_6	19
5.	Dementia praecox (schizophrenia)							41	55	96
0.	Paranoia and paranoid conditions							-	-	-
7.	Epileptic psychoses			٠,			 	1	2	3
8.	Psychoneuroses and neuroses, total							-	6	6
	Hysterical type			٠.	1 -	1	1			
	Psychasthenic type (anxiety and obs	essive	forms)		1 -	1	1	· .		
	Neurasthenic type			٠.	-	1	1			
	Neurasthenic type Other types				-	3	3			
9.	Psychoses with psychopathic personality	у.			1		<b>.</b> .		1	1
							<b>.</b>	. 6	10	16
1.	Undiagnosed psychoses Without psychosis total								-	_
22.					1	·		- 7	1	8
Ċ	Holliney without neuchosis		1 2		1	-	1	1		
	Drug addiction without psychosis				1	_	1	1		
	Mental deficiency without psychosis				4		4			
	Others				l i	1	$\bar{2}$			
					<u> </u>					
	Total							214		397

Halaman

Table 7. Race of First Admissions Classified with Reference to Principal Psychoses.

RACE.		rotal.			rau nati		S	Senile	e.	· ce	With erebr rterion	ai - o-		ener aly:		cei	Vith rebr	al.
	M.	F.	т.	м.	F.	Т.	М.	F.	T.	М.	F.	T.	M.	F.	T.	М.	F.	т.
African (black) Dutch and Flemish English French German Greek Hebrew Irish Italian¹ Lithuanian Mexican Roumanian Scandinavian² Scotch Slavonic³ Spanish Mixed Race unascertained Total	10 3 31 28 8 3 43 43 5 2 1 4 5 23 1 34 7 7	33 15 . 4 41 7 - 1 4 8 16 - 49	10 3 64 43 12 3 7 84 15 2 1 1 8 13 3 3 9 1 83 8	1		. 1	1 - 2 1 4	777	1 9 - 4	1 13 4 2 - 1 9 - - 1 1 - 7 1		1 17 7 3 - 1 12 1 - - 2 2 - 14 1	4 -2 2 2 1 1 -3 2 1 1 -2 2 -2	1 2 - 4	4 2 3 1 1 4 2 - - 1 2 4 - 2 4 -		1	1

Table 7. Race of First Admissions Classified with Reference to Principal Psychoses — Continued.

																		_
RACE.	Hun	With itingt norea	ton's	b	Vith rair imo	1	or r	rain	ous	Alc	oho	lic.	exog	d oth	ier is		Vith lagr	
-	M.	F.	т.	M.	F.	T.	М.	F.	T.	М.	F.	T.	M.	F.	T.	M.	F.	T,
African (black) Dutch and Flemish English French German Greek Hebrew Irish Italian¹ Lithuanian Mexican Roumanian Scandinavian² Scotch Slavonic³ Spanish Mixed Race unascertained					1.	1	1 1	 3 	1 1 1 - - 1 - - 1 - - - 1 - - - - - - -	1 6 1 - 11 1 2 10 1 6 1 41	1	- 1771 - 1331 - - 101661		2				1

³ Norwegians, Danes and Swedes.

TABLE 7. Race of First Admissions Classified with Reference to Principal Psychoses — Continued.

RACE.		th o som iseas			Ianio ressi		n	iela:	tion n-	p:	men			and	oid		ilep cho	tic ses.
A A CONTRACTOR	M	. F.	т.	M,	F.	, T.	M.	F.	T.	M.	F.	T.	M.	F.	т.	M.	F.	Т.
African (black) Dutch and Flemish English French German Greek Hebrew Irish Italian¹ Lithuanian Mexican Roumanian Scandinavian² Scotch Slavonic³ Spanish Mixed Race unascertained	1 1 1 1 1 1 1 1	5 2 1 - 3 1 1 1 1 1 2	- 6 2 2 - 7 1 - 1 2 2 - 3	2 5 1 1 2 7 1 - - 1 1 1 1 3 1	- 6 2 1 - 2 7 1 - 1 1 1 7 - 6 1	2 8 7 2 1 4 14 2 - 1 2 2 8 - 9 2	1 2 1 - 4 2 - 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 1 - 5 1 - - 2 3 1	1 2 4 5 1 1 - 5 3 2 - - 1 6 - 7 3	- 8 4 1 - 2 14 1 - - 1 3 7 - 14 -	1 2 12 9 2 1 2 19 4 2 - 1 4 13 - 21 3			4.11.11.11.11.11.11.11.11		1	- - - - - - - - - - - - - - - 1 - - - -
Total	9	17	26	28	36	64	13	6	19	41	55	96	-	-	-	1	2	3

Table 7. Race of First Admissions Classified with Reference to Principal Psychoses — Concluded.

RACE	Psycho- neuroses and neuroses.	With psycho-pathic personality.	With mental deficiency.	Un- díagnőséd psychosés	Without psychosis.
	M. F. T.	M. F. T.	м. г. т.	M. F. T.	M. F. T.
African (black) Dutch and Flemish English French German Greek Hebrew Irish Italian¹ Lithuanian Mexican Roumanian Scandinavian² Scotch Slavonic³ Spanish Mixed Race unascertained Total	- 1 1 1 1 2 2 2 2 	- 1 1 - 1 1 - 1 1 - 1 1 - 1 1 - 1 1	1 1 2 1 1 2 2 - 1 1 1 1 1 1 1 1 1 1 1 1 3 5 8 - 6 -10 16		3 - 3 2 - 2 

³ Norwegians, Danes and Swedes.

Table 8. Age of First Admissions Classified with Reference to Principal Psychoses:

Psychoses.	1	Total	1	Under 15 years.	15-19 years	20-24 years.	25-29 years.
	М.	F.	т.	м. ғ. т.	м. ғ. т.,	м. г. т.	М. Г. Т.
1. Traumatic 2. Senile 3. With cerebral arteriosclerosis 4. General paralysis 5. With cerebral syphilis 6. With Huntington schorea 7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra 12. With other somatic diseases 13. Manic-depressive 14. Involution melancholia 15. Dementia praecox 16. Paranoia and paranoid conditions 17. Epileptic psychoses 18. Psychoneuroses and neuroses 19. With psychopathic personality 20. With mental deficiency	14 39 20 	13 22 4 1 1 1 4 3 3 - 1 17 36 6 55	1 17 61 24 1 1 1 8 44 1 26 64 19 96			1	
21. Undiagnosed psychoses 22. Without psychosis		. 1	8			-11-	1 1
Total	214	183	397	- 1 1	7 5 12	16 15 31	18 10 28

Table 8. Age of First Admissions Classified with Reference to Principal Psychoses — Continued.

Psychoses.											15-49 ears			60–54 years	
1. Traumatic 2. Senile 3. With cerebral arteriosclerosis 4. General paralysis 5. With cerebral syphilis 6. With Huntington's chorea 7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins	rea		5.	٠. 2	ears		3		3.						
11. With pellagra 12. With other somatic diseases 13. Manic-depressive 14. Involution melanicholia 15. Dementia praecox 16. Paranoia and paranoid conditions 17. Epileptic psychoses 18. Psychoneuroses and neuroses 19. With psychopathic personality 20. With mental deficiency 21. Undiagnosed psychoses 22. Without psychosis	1111	-	-	7	8	15 - 1 1	1 3 2 3 3	2 - 2 -	10 2 5 5 - 2 - 1 3	- - 2 1 - - - - -	3 3 10 - - 1	3 5 2 11 	1 5 4 1	3 5 4 - 1 - -	10 4 5
	17	16	33	23	18	41	24	13	37	13	21	34	24	14	38

Table 8. Age of First Admissions Classified with Reference to Principal Psychoses — Concluded.

Psychoses.		5–59 ears			0-64 ears			5–69 ears			year d ov	
	М.	F.	T.	М.	F.	T.	М.	F.	т.	М.	F.	T.
1. Traumatic 2. Senile 3. With cerebral arteriosclerosis 4. General paralysis 5. With cerebral syphilis 6. With Huntington's chorea 7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra 12. With other somatic diseases 13. Manic-depressive 14. Involution melancholia 15. Dementia praecox 16. Paranoia and paranoid conditions 17. Epileptic psychoses 18. Psychoneuroses and neuroses 19. With psychopathic personality 20. With mental deficiency 21. Undiagnosed psychoses 22. Without psychosis	1 2 1	3 1 2 3 1 2 3 1 2	1 - 2 4 - 4 3 3 3 3 - 1 2 - 1	5 2 - 1 1 1 3	3 - 1 2 - 1 1 1 - 1	8 2 - 1 3 1 4 1 - 1 1 - 1	711111111111	3 5 2 1 3 4	3 12 1 1 - 2 2 4 4 4	- 4 26 2 - 5 1 1	100111	14 37 
Total	9	18	27	13	10	23	11	18	29	39	24	63
* * ' : \ · ·							,	٠.				

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	Unascer- tained.	Œ	1	-7	4.	1"1	٠,1	1-	1	T~1	۰~۲	<del>ب</del>	<b>C4</b>	12.3	· • •	4	¥¥"	1.0	1713	r-+	- 00	
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		T.	ı	1	7	1	1	1 •	٦.	1	ı	4	7	j L	) I	1	1	ı	1 1	1	=	
	College.	죠.	1	ı	-	1 1	1	ı	1 1	1	1	+-1	-	1 4	۱ ۱	i	ı	1	1 1	ı	1	
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	High School.	щ.	ı	3	m ا	1	1		۱ ۲	1	t	m (	× <del>-</del>	- ~	1	1	١,	٦ ۱	1	ı	34	
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	Common School.	표.	1	∞ ;	 	-	ı	١٥	4 17	1	-	2:	7	78	1	α.	4	٧	1	-	103	n scho
	ညီဖ	χ	- 1	8	7 21	. 1	!		. 17		1	ر د	14	78	t 	1	1	2		r.	111	* Includes those who did not complete fourth grade in school.
	*.	T.	1	m (	77	1	ı	7 ~	10	Ī	1	7	2 6	20	1	Т	i	4	' T	-	17	urth
	Reads and Writes.*	Œ,	1	۲,	<del>-</del>	1	ı	۱ -	4	1	1	- 4	۱ د	7	ı	1	1 1	2	1	ı	21	ete fo
	and	M.	1	٠;	17	1	1	10	16	ı	1		# 177	· m	1	1	1 1	2	1	-	20	compl
ľ		ť.	1	1 -	+ m	1	ı	1 1	9	ı	1 9	2 0	2 4	4	1 .		- I	4	ı	ı	33	1 not
	Illiterate	표.	1	1	1 1	1	1	1 1	1	ı	,	٦,	٠.	· 10	ı	ı <del>-</del>	۱ ۱	7	ı	ı	10	ho di
		M.	1	1 =	+ m	i	1 1	1	9	ì	1 0	7-	100	-	۱ •	٦ !	ı <b>ı</b>	7	1	1	23	hose w
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	Total.	<b>т</b> .	1 9	13	14	Ħ	ī <del>-</del>	4	3	T	7.	36	9	52	Ī	V V	-	10	Τ.		183	* Inc
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			•											•				•			•	
			1. Traumatic	•						Sulxo				•		٠,٠	•			•		
	ý		٠		•			isease	٠	lous			•		STIO.							
	PSYCHOSES.			rosis		٠.		p sno		xoge	. 0			.7		oses	nality			. ,		
	Psyc			oscle	٠.	lis		nerv		100	disea		olia	; ;;.	i .	nen	perso	cy	ses			
				arteri	sis	syphii	nor	in or	.7	o pii.	natic	ve	anche	COX	oses	and	thic 1	encie	sycina	SISO		
			ပ	bral	araly	ting	n tur	r bra		ugs a	r son	oressi	ı mel	prae	DSVC	irose	hopa	tal d	Sed Das	Sycin	-	
			ımati	Cere	ral p	r cere Hun	brai	othe	holic	2 C C	othe	ic-de	lution	entia	ptic	hone	bsyc	men	agilo.	1 1 10 1	-E	
			Trau	With	Gene	With	With	With	Alco	With	With	Man	Invo	Dem Para	Epile	Psyc	With	With	74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74.14 74 74 74 74 74 74 74 74 74 74 74 74 74	** 101	Total	
			٠;٠	100	4.	ų o	7	∞ਂ	y. 5	-	12	13.	4:	15	17.	18.	19	50.	2:	,	l	

Table 10. Environment of First Admissions Classified with Reference to Principal Psychoses.

PSVCHOSES.	Total.		U	rban	•	F	Rural.	
1. Traumatic 2. Senile 3. With cerebral arteriosclerosis 4. General paralysis 5. With cerebral syphilis 6. With Huntington's chorea 7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra 12. With other somatic diseases 13. Manic-depressive 14. Involution melancholia 15. Dementia praecox 16. Paranoia and paranoid conditions 17. Epileptic psychoses 18. Psychoneuroses and neuroses 19. With psychopathic personality 20. With mental deficiency		T.  1 17 61 24 1 8 44 - 1 26 64 1 96 - 3 6 1 16	M.  1 4 33 19 - 4 39 - 8 27 13 39 - 1 - 4	F 13 31 1 - 1 44 2 - 1 16 34 65 53 - 2 6 1	T 117 54 22 1 1 8 41 1 24 61 119 92 - 3 6 114	M 6 1 2 - 1 1 - 2 2 - 2	F 1 1 1 2 2	T 7 2 3 3 - 4 2
21. Undiagnosed psychoses 22. Without psychosis	7 1	8	6	1	7	1	-	1
Total	214 183	397	198	175	373	16	8	24

Table 11. Economic Condition of First Admissions Classified with Reference to Principal Psychoses

Psychoses.		Tota	.1.	Der	end	ent.	М	argir	al.		Com- ortab			naso	
	м.	F.	т.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	т.
1. Traumatic 2. Senile 3. With cerebral arteriosclerosis 4. General paralysis 5. With cerebral syphilis 6. With Huntington's chorea 7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other exogenous toxins 11. With pellagra 12. With other somatic diseases 13. Manic depressive 14. Involution melancholia 15. Dementia praecox 16. Paranoia and paranoid conditions 17. Epileptic psychoses 18. Psychoneuroses and neuroses 19. With psychopathic person-	1 4 399 20 	13 22 4 1 1 4 3 - 1 17 36 6 55 - 2	1 17 61 24 1 - 1 8 44	- 2 3 3 1 1 1 	1 2 1 1 2 4	353	1 1 18 16 	111 188 4 1 1 1 1 3 2 2 1 1 1 1 4 3 3 0 6 4 8 8 2 5 5	1 12 36 20 1 - 1 5 30 - 1 20 50 16 80	11 16 	1 1 1 - - 1 1 3 3 3	-2 17 	2 1 1 1 4 4	1 1 1 1	- 3 1 1 2 1 1 2 1 4
ality 20. With mental deficiency 21. Undiagnosed psychoses 22. Without psychosis	- 6 - 7	10 - 1	1 16 - 8	- - 1	2	- 2 - 1	5 - 5	1 8 - 1	13 - 6	1 - 1	=	1 - 1	-	= =	=
Total	214	183	397	11	13	24	144	156	300	47	11	58	12	3	15

Table 12. Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses.

Psychoses.	: 1	rotal.		Ab	stine	nt.	Ten	nper	ate.		iten erat		Una ta	asce	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	М.	F.	T.	М.	F.	Т.
1. Traumatic 2. Senile 3. With cerebral arteriosclerosis 4. General paralysis 5. With cerebral syphilis 6. With Huntington's chorea 7. With brain tumor 8. With other brain or nervous diseases 9. Alcoholic 10. Due to drugs and other ex-	1 4 39 20 - - - 4 41	13 22 4 1 - 1 4 3	1 17 61 24 1 - 1 8 44	1 2 19 8 - - - 1	12 22 4 1 1 4	1 14 41 12 1 - 1 5	1 1 1 1	ī - - - -	3 17 6 - - 1	2 6 - - 2 41	- - - - - - 3	- 2 6 - - - 2 44	1		- 1 - - -
11. With pellagra 12. With other somatic diseases 13. Manic depressive 14. Involution melancholia 15. Dementia praecox 16. Paranoia and paranoid conditions 17. Epileptic psychoses 18. Psychoneuroses and neuroses 19. With psychopathic personality 20. With mental de ficiency 21. Undiagnosed psychoses 22. Without psychosis	9 28 13 41 - 1 - 6 - 7	1 17 36 6 55 - 2 6 1 10 - 1	1 26 64 19 96 - 3 6 1 16 - 8	5 8 7 14 - 1 - 4	16 32 6 47 -2 6 1 10 -1	1 21 40 13 61 - 3 6 1 14 - 1	3. 13. 6 18 - - 2 - 6	7 - - - - -	16 6 25 - - 2 - 6	6		6 1	3	1	- - - - - - - -
Total	214	183	397	70	166	236	.74 .	12	86	65	3	68	5	. 2	7

Table 13. Marital Condition of First Admissions Classified with Reference to Principal Psychoses.

	-					-						, ,		l			I
PSYCHOSES.		Total.		S	Single.		Married.	ied.	<b>5</b>	Widowed.	÷	Seĭ	Separated.		Div	Divorced.	
	ž	Œ,	H	M.	표.	H	M. F.	H.	×	12.	T.	M.	표.	H	M.	, iz	H
1. Traumatic	_	T	-	-	ı	_	ı	1		1		ı	ı	.1	-1		
2. Senile	4	13	17		1	-		4 5	2	∞	10	1	1	ı	1	1	-
3. With cerebral arteriosclerosis	39	22	25	<b>~</b> 1	4-	11,	16	8 24	16	10	56	t	1	1 .	1.5	,	۱٠
5. With cerebral syphilis	3 1	+ =	*	וי					! !	1 1	1 1	1 1	1 1	1 1	٦ ١	1 1	<b>⊣</b> !
6. With Huntington's chorea	1	ī	1	1	ı	1	ı	1	! 	1	1	1	ı	1	1	ı	1
7. With brain tumor	1 -	=-		ı	L	1 4			-	ı	ı	ı	ı	1	ì	-	1
8. With other brain or nervous diseases	4 =	4 %	× 5	1 -	7-	2 1	4 ,	200	10	1	1 9	1	ı	ı	1	ı	ı
0. Due to drugs and other exogenous toxins	į I	)	ļ I	<u>+</u> 1	۱ ۱				1 1	1 1	4	1 1	1 1	1 1	1 1	!!	
1. With pellagra	i	÷.	_	ı		1			1	_	-	1	ı	ı	1	ı	ı
2. With other somatic diseases	6	17	56	4		<b>∞</b>			1	rO.	rV.	1	1	ı	ı	1	ı
3. Manic-depressive	782	36	40	12		- 50 -			7,	ĸ,	<b>~</b> [	-	ı	-	-	1	-
5. Dementia praecox	2.4	, Y.	96	280	1 92	0 4	11 4	21 32	၈	4 1	- 1-	1 1	۱ -	1 -	10	1	10
6. Paranoia and paranoid conditions	1	1	1	1		· ·				- 1	• 1	1	۱ ۱	1	4 1	1	4 1
7. Epileptic psychoses	Ξ	7	3	-		7	ı	1	1	1	ı	1	1	1	1	1	i
8. Psychoneuroses and neuroses	T	9	9	1	2	2	1	3 3	1	-	-	1	1	1	1	ı	ı
9. With psychopathic personality	Τ,	÷.		1	1	1	1	1		-	-	1	1	1	.1	1	1
U. With mental denciency	9	10	10	S		12	_	3 4	-	1	ŀ	ı	ı	1	ı	ı	1
1. Undiagnosed psychoses	11	I <del>-</del>	1 0	1 0	ı	1 0	1 0	1.	-	ı	1 •	ı	ı	ı	1 .	1	1 -
· · · · · · · · · · · · · · · · · · ·		1	0	c	ı	c	7	ر 1	_	1	-	!	ı	ı	-	1	1
Total	214	183	397	87	57 1	144	8 26	81 176	56	42	89		-	7	r.	2	1
	-					-			_					-		,	1

Table 14. Psychoses of Readmissions.

		Psyc	HOSES	S.				Males.	Females.	Total.
1.	Traumatic psychoses .							-	-	-
2.	Senile psychoses							-	-	-
3.	Psychoses with cerebral art	erioscl	lerosis					-	-	_
4.	General paralysis .							1	1	2
5.	Psychoses with cerebral syp	hilis						-	-	-
6.	Psychoses with Huntington	's cho	rea					-	-	_
7.	Psychoses with brain tumor							-	-	-
8.	Psychoses with other brain	or ner	vous	disea	.ses			-	1	1
9.	Alcoholic psychoses .							2	4	6
10.	Psychoses due to drugs and	other	exog	enous	s toxii	ns.		-	-	-
11.	Psychoses with pellagra							-	-	-
12.	Psychoses with other somat	ic dise	eases					1	1	2
13.	Manic-depressive psychoses							12	22	34
	Involution melancholia							-	-	_
15.	Dementia praecox .							16	19	35
16.	Paranoia and paranoid cond	litions	3.					-	_	_
	Epile ptic psychoses .							-	1	1
18.	Psychoneuroses and neurose	es						-	-	-
	Psychoses with psychopathi		onalit	y				_	1	1
20.	Psychoses with mental defic	iencv		٠.				1	_	1
								_	_	_
	Without psychosis :							2	1	3
								_	_	
	Total							35	51	86

Table 15. Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge.

Psychoses.		Total		Rec	over	ed.	In	ipro	ved.	Unir	npro	ved.
•	М.	F.	т.	м.	F.	т.	м.	F.	т.	М.	F.	т.
1. Traumatic	-	3	3	_	_	_	-	2	2	_	1	1
3. With cerebral arteriosclerosis 4. General paralysis	3	3	4	_	_	_	1 2	3 1 2	4 3	1	_	1
5. With cerebral syphilis 6. With Huntington's chorea	-	2	2	_	_	-	_	2	2	-	_	_
7. With brain tumor		-	_	_	_	_	-	-	_	_	_	-
8. With other brain or nervous diseases 9. Alcoholic	30	5	35	23	2	25	5	2	7	2	1	3
<ol><li>Due to drugs and other exogenous toxins</li></ol>	-	ī	1	-	_		-	1	1	-	_	-
11. With pellagra	1	10	11	_	1	1	1	5	6	_	4	4
13. Manic-depressive	18 4	34	52 5	10	15	25 3	7	15	22	1	4	4 5
14. Involution melancholia	32	28	60	-	=	-	23	25	48	9	3	12
16. Paranoia and paranoid conditions 17. Epileptic psychoses		1	1	_	-	5	_	1	1	_	_	_
18. Psychoneuroses and neuroses	-	-	_	-	_	-	-	_	_	-	-	-
19. With psychopathic personality 20. With mental deficiency	3	2	2 5	1	Ξ	1	1	1 2	1 3	1	1	1
21. Undiagnosed psychoses		$\tilde{2}$	2	_	-	_	_	2	2	-	-	÷
22. Without psychosis	5		11									
Total	97	102	199	37	18	55	41	64	105	14	14	28

Table 16. Causes of Death of Patients Classified with Reference to Principal Psychoses.

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CAUSES OF DEATH.		Total.		S)	Senile.		With art scle	With cerebral arterio- sclerosis.	_	General paralysis,	ral ysis.		Alcoholic.	olic.	<del>-</del>	Manic- depressive.	c- iive.	B	Involution melancholia.	ion olia.
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Epidemic, Endemic and Infectious Diseases.																				
Influenza		T	4	1	-	-	-	ı	_	ı	1	1	1		,	1		_		٠
ethargic encephalitis		_	2	1	ı	1	1	1	-	1	,	1	1	1			1	_	1	٠.
ry syste		4	7	1	1	_	1	1	_	1		-	1			. 2			l i	1 1
General Diseases Not Included in Class I																				
Cancer and other malignant tumors	4	9	10	ł	1	1	1	_		1	ı	1	1	1		-	2		1	ı
Pellagra	_	T	-	1	1	1	ı	,	1	ı		1	1						1	ı
Diabetes	_	_	-	1	ı	ł	1	ı	1	1	,	1	1			1	1	_		
Other general diseases		1	7	1	ı	ı	1	1	1	ı	,	-	1	1		1			1	1
Diseases of the Nervous System.																				
Tabes dorsalis (locomotor ataxia)		T	_	1	ı	1	ı	ı	_	ı		1	1		-	1			1	1
Cerebral hemorrhage, apoplexy		18	25	1	33	3	S	8	3			_	1	-	-	. 2	2			-
General paralysis of the insane	20	2	22	I	1	1	1	1		70	2 22	-	,	1	1		. 1		+ i	۱ ۱
Other diseases of the nervous system		_	-	1	ı	1	t	1	1	ı	,		1		·	1	1	1	1	1
Endocarditie and myocarditie	-		2.5	·	u	1	,	Ł	_						. '					
eriosclerosis	22	77	2,5	9 1	0 11	~ ~	# c	ر ا ن		1	1	 	1		- 2	2	4		1	I
Other diseases of the circulatory system.			3-	1	)	) 1	4 1	1	9 1		. ,		, ,						1	1
Diseases of the Respiratory System.																				1
Bronchopneumonia		3	3	1	7	7	ı	1	1	1		-	1	1		1	1	·	1	I
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Diseases of the Digestine System	-	ī	-	-	1	_	1	1	1	1		1	1	1	1	1	1	· -	1	1
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Non-VenerealD iseases of Genito-Urinary		•	•		4	-						,	,						1	1
System and Annexa.																				
Nephritis	∞ .	n	11	I	1	-	3	1	3	ı	į	1	2 –	- 2		-		-	1	- 1
Other external causes	-		-	1					_											
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Table 16. Causes of Death of Patients Classified with Reference to Principal Psychoses — Concluded.

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		Epi	len za	Tuberculosis of the respiratory system General Diseases Not Included in Class I.	Cancer and	Diabetes	Other general diseases	Tabes dorsalis (locomotor ataxia)	Cerebral hemorrhage, apoplexy	General paralysis of the insane	Other diseases of the nervous system	Diseases of the Circul Endocarditis and myocarditis.	rioscle	Other diseases of the circulatory system .	Bronchopneumonia	Lobar pneumonia .	Asthma	rhea a	Non-Venereal Diseases of Genito System and Amery	Nephritis	Other external causes.		Total
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* Includes group 22, "without psychosis."

Table 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses.

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses — Concluded.

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Total Duration of Hosmital Life of Patients Duina in Hosmital Classified According to Principal Pouchoses

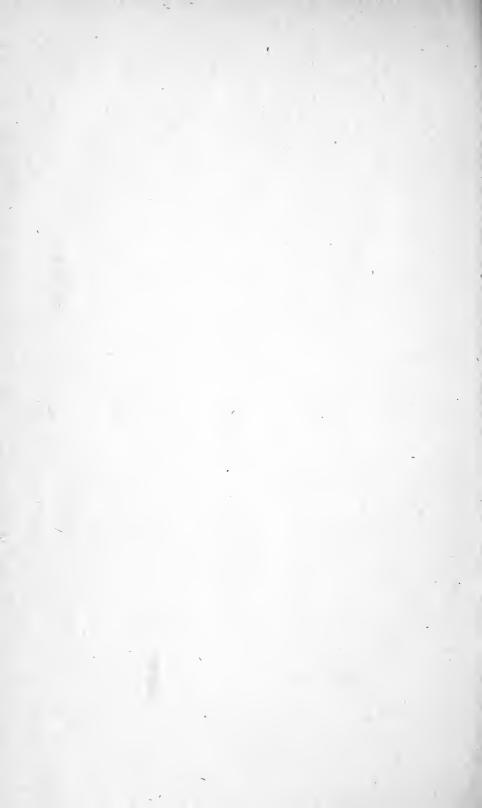
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Table 18. Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses — Concluded.	20 years and over	E	2
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		1. Traumatic 2. Senile 3. With cerebral arteriosclerosis 4. General paralysis 5. With cerebral syphilis 6. With Huthigtori's chorea 7. With brain tumor 8. With other brain or nervous 9. Alcoholic 10. Due to drugs and other exog 11. With pellagra 12. With other somatic diseases 13. Maint-depressive 14. Involution melancholia 15. Dementia praecox 16. Dementia praecox 16. Dementia praecox 17. Epileptic psychoses 18. Rychoneuroses and neuroses 19. With psychopathic personalii 20. With mental deficiency 21. Undiagnosed psychoses 22. Without psychosis	

Table 19. Family Care Department.

								Male.	Female.	Total.
Remaining in Family Care								-	6	6
On visit from Family Care	Oct.	1, 1928	3					-	-	_
								-	1	1
Whole number of cases wit		ie year	г					_	7	7
Dismissed within the year									_	_
Returned to institution								-	_	-1
Discharged								_	-	
On visit								_	_	_
Remaining in Family Care	Sept.	30, 19	129					_	7	7
Supported by State								-	4	4
Private									3	3
Self-supporting .								-	-	_
Number of different person	s with	in the	year					-	7	7
Number of different person	s disn	nissed							_	_
Number of different person	s adm	itted						_	1	1
Average daily number in F	amily	Care	during	the :	year			_	6.4	6.4
Supported by State.								_	4	4
Private								_	3.4	3.4
Self-supporting .	_							_	_	_

 $^{^1}$  One returned to the hospital from Family Care on June 5, 1928, only staying in the hospital four days, returned at the end of that time back to Family Care.







## The Commonwealth of Massachusetts

## ANNUAL REPORT

OF THE

## **TRUSTEES**

OF THE

# NORTHAMPTON STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30,

1934

DEPARTMENT OF MENTAL DISEASES



Publication of this Document approved by the Commission on Administration and Finance 500. 8-'35. Order 4666.

OCCUPATIONAL PRINTING PLANT DEPARTMENT OF MENTAL DISEASES GARDNER STATE HOSPITAL EAST GARDNER, MASS.

## NORTHAMPTON STATE HOSPITAL

[Post Office Address: Northampton, Mass.] TRUSTEES

DR. JOHN C. O'BRIEN, Chairman, Greenfield, Mass.
MRS. EMILY N. NEWTON, Secretary, Wellesley Hills, Mass.
LAURENCE D. CHAPIN, M.D., Springfield, Mass.
MR. ALBERT M. DARLING, Sunderland, Mass.
MR. CHARLES W. KING, Chicopee Falls, Mass.
MRS. JESSIE BASSETT, Northampton, Mass.
MRS. JAMES W. HEFFERNAN, Northampton, Mass.

### RESIDENT OFFICERS

EDWARD W. WHITNEY, M.D., Superintendent
GUY C. RANDALL, M.D., Assistant Superintendent
ELIZABETH KUNDERT, M.D., Senior Physician.
RHODA U. MUSGRAVE, M.D., Senior Physician
B. EDWIN ZAWACKI, M.D., Senior Physician
RUTH M. THOMPSON, M.D., Assistant Physician.
KENDALL B. CROSSFIELD, M.D., Assistant Physician
RUTH PARKER, M.D., Assistant Physician
RUTH PARKER, M.D., Assistant Physician
LUCIEN H. HARRIS, D.D.S., Dentist.
FRANK W. SMITH, Steward

NON-RESIDENT OFFICERS

EVA L. GRAVES, Treasurer, (Office at the Hospital)

## HEADS OF DEPARTMENTS

LEE W. SINCLAIR, Chief Engineer
HARRY W. LEE, Head Farmer
GEORGE W. PARESEAU, Pharmacist
ALICE E. BEDELL, R.N., Superintendent of Nurses
RHODA L. SMITH, Psychiatric Social Worker
PEARL E. BEATON, Head Occupational Therapist
ANNA G. ROGERS, Dietitian
ELLA R. PARESEAU, Head Housekeeper

## TRUSTEES' REPORT

To His Excellency, the Governor of the Commonwealth and the Honorable Council: The Trustees of the Northampton State Hospital have the honor to present their report for the year ending November 30, 1934.

The daily average number of patients was 1,804.36 as compared with 1,776.07 the previous year. The weekly cost of maintenance was \$4.1182 per capita.

During the year several projects under the Public Works Administration have been under construction. A tunnel is nearly completed which connects the main hospital group with the West group. It also connects the West group with the new Power Plant, which is also well underway. There is a new ward building under construction and excavation has been made for a new cafeteria. Plans have been already submitted for a new laundry and storehouse and we expect this work will begin in the near future. With the exception of the storehouse, all of this construction is in the West group. The storehouse has been needed for a long time but the building, which is the so-called Earl building, to be remodeled and enlarged is one in which fifty patients have been cared for. These patients have already been transferred to the over-crowded wards of the main hospital group, and this brings up the subject of the need of two hospital units. One should be for disturbed patients, as it is a well known fact that disturbed patients are excited by overcrowding, therefore, we need a building for this type of patients. The other unit should be a medical unit. To properly place this, however, the farm buildings, which are now situated close to the main hospital group, should be moved farther back on the farm where they would be more convenient and the area vacated would then be an ideal place for a receiving ward and medical unit. In this medical unit there could be a ward for sick employees as well as physically sick patients. We

could have a surgical and operating room as well as a physiotherapy department

and laboratory.

The cafeteria which is being built will take care of the dining room facilities of the West group but in the main hospital group we are still using the small diningrooms on the various wards, therefore, we should have a modern diningroom or cafeteria and also a new kitchen for the main hospital group.

During the past year we had a leak in the hot water system which caused some damage to two of our wards. Our engineer feels that the hot water system should be renewed in the hospital building and also the sprinkler system in the basements should be revised.

The Superintendent's report, which follows, will give the other activities of the various departments of the hospital.

Respectfully submitted,

DR. JOHN C. O'BRIEN, Chairman
MRS. EMILY N. NEWTON, Secretary
DR. LAURENCE D. CHAPIN
MR. ALBERT M. DARLING

MRS. CHARLES W. KING
MRS. JESSIE BASSETT
MRS. JAMES W. HEFFERNAN
Trustees.

#### SUPERINTENDENT'S REPORT

To the Trustees of the Northampton State Hospital:

I submit my report for the year 1934.

MOVEMENT OF POPULATION

The number of patients on our books October 1, 1933 was 2,051. There were admitted during the year 549 making a total of 2,600 under care and treatment during the year. There were discharged to their relatives and transferred to other institutions 370 patients. One hundred and sixty deaths occurred leaving 2,070 patients on the books of this hospital on September 30, 1934 of which 1,807 were in the hospital and 263 patients on visit or otherwise absent.

### MEDICAL ACTIVITIES

During the year 1934 the following changes were made on the Medical Staff: — Dr. Ruth Parker was appointed as assistant physician on February 1, 1934 to fill a vacancy, — bringing the staff to its full quota.

Dr. Guy C. Randall, who was appointed assistant superintendent, began his

duties on April 16, 1934.

Dr. Albert U. Bourcier, Senior Physician on the Male Service, resigned on August 27, 1934.

Dr. B. Edwin Zawacki, assistant physician, was promoted to Senior Physician in charge of the Male Service on September 21, 1934.

There is one vacancy on our Medical Staff for an assistant physician. However a physician has been engaged to fill this vacancy on January 1, 1935.

## OUT-PATIENT DEPARTMENT

The usual out-patient clinics have been held monthly in Springfield, North Adams, Greenfield and Pittsfield. We have also seen patients at this hospital by appointment. We have a Child Guidance Clinic in both Holyoke and Northampton weekly.

During the past year 867 male patients and 990 female patients, — making a total of 1,857 have been examined through the Out-Patient Department. Three hundred and eighty-three patients reported to clinics; 163 consultations were given; 780 which were referred by Social Agencies; 44 by physicians; 4 from Institutions; 31 referred by relatives and 6 of their own volition. In the School Clinics 389 children were seen for first examinations and 175 for re-examinations. Eighteen referred by the schools for child guidance. One hundred and seventy-five cases were examined for the Courts; 121 being juvenile delinquents.

### DENTAL REPORT FOR THE YEAR 1934

Our dentist, Dr. Lucien Harris, examines the teeth of all new patients soon after their admission to the hospital and gives them what treatment seems best.

During the past year, besides the routine examinations, he has given 4,315 treatments including various forms of fillings. He makes plates, cleans the teeth, does extractions, etc.

#### THE SOCIAL SERVICE DEPARTMENT

Miss Mary-Ellen Hayes, Psychiatric Social Service Worker, resigned on February 10, 1934 to accept a position with the Family Welfare Society of New Haven, Conn. Miss Rhoda L. Smith, was promoted on February 12, 1934 from assistant to Psychiatric Social Worker.

Miss Marguerite Mower, was appointed assistant psychiatric social worker on June 1, 1934.

Miss Ruth B. Jarvis contributed her services as a volunteer social worker for

five months, — from February, 1934 to July, 1934.

Although the Social Service Department has been handicapped due to these changes they have been able to show progress during the year. They secured 120 medical social histories; supervised 312 out-patients in their homes; interviewed 129 relatives in their homes; made 39 visits to Social Agencies; made 42 visits to other persons regarding patients supervised; made 22 visits on the ward; interviewed 216 at clinics and 10 visits were made to other Institutions.

The social work of the two Child Guidance Clinics was taken care of by one of

our workers from this Institution.

#### OCCUPATIONAL AND INDUSTRIAL THERAPY

The industrial therapy department, too small for the size of this hospital, has been kept very busy during the past year in making various forms of brushes, overalls, rugs, shirts, mattresses, etc., and from a financial point of view was quite an asset.

The Occupational Therapy Department is able to carry on more work because of having larger quarters and they also do some work on the wards. They have made over 6,000 towels during the past year and over 24,000 tapes; 600 flower pot covers and many other useful articles, such as curtains, curtain pulls, wall hangings, sweaters, runners, scarfs, etc.

We do not have a recreational leader and the Occupational Therapist has to take

charge of the various forms of recreation.

We have had during the year numerous gatherings in our assembly hall including religious services, dances, concerts, minstrels, plays, movies, parties and the E.R.A. vaudeville and orchestras.

Another project of the Occupational Therapy Department was the editing of a hospital paper which was begun in July of 1934. All of the work done on this paper is by patients and it has taken its place in the hospital and the patients and

employees look forward to its issue on every Thursday.

During the summer baseball has been played with various local teams, tennis and horseshoe tournaments have been conducted. The Club House has been used, especially during the winter months, where bowling tournaments have been conducted for both patients and employees. Ping-pong and the radio at the Club House have been enjoyed.

#### FLORIST DEPARTMENT

Mr. Henry Weidlich, the florist, has kept the hospital wards supplied with beautiful varities of flowers during the entire year. During the summer months the flower gardens drew much favorable comment from visitors to the hospital. On Easter Sunday the hospital chapel was decorated with flowers and many visitors came to the hospital to see the gorgeous flower display. In the fall exhibit at the Massachusetts State College several first prizes were won in competition.

#### FARM

The tonnage of the several farm and garden crops was the heaviest in many years, in fact the yield was more than could be easily handled by the kitchen and canning-room. The following are the weights of some of the major crops:—

canning-room.	The	i torre	JΝ	ing are the weight	s of some of the	maje	JΓ	crops: —
Silage corn.				400 tons over	Sweet corn.			29,000 pounds
Hay				275 tons	Cucumbers			10,000 pounds
Green feed				200 tons	Onions .			52,000 pounds
Potatoes .				700 bushels	Peas			8,000 pounds
String beans				40,000 pounds	Turnips .			81,000 pounds
Beets				64,000 pounds	Spinach .			10,000 pounds

. 65,000 pounds . 96,000 pounds Squash . . Cabbage . .112,000 pounds Tomatoes . . Cantaloupes . 8,600 pounds . 3,300 pounds Strawberries . Carrots . . 60,000 pounds . 48,000 pounds Celery 9,000 pounds Apples

The poultry department had a very successful year with 12,175 dozen of eggs

and 7,516 pounds of dressed meat.

The production of the dairy herd was the lowest in several years with 749,720 pounds of milk; 9,230 pounds of beef. This low production may be charged to the poor physical condition of the herd which we expect will be remedied the coming year and to the low production of the daughters of a former service bull.

The swine herd has completed another very successful year with a production

of 95,572 pounds of dressed pork. The herd is in a splendid condition.

The farm as a whole is much improved by draining, cutting of brush and the

removal of many loads of stones.

The poultry, swine and dairy buildings are in very poor condition and should be repaired in the immediate future.

#### ENGINEERING DEPARTMENT

The following is a brief list of repairs and renewals which took place in the hospital during the year:—

Installed a new brass liner in the water end of the large vacuum pump.

Installed a new pasteurizer in the milk room at the barn.

Installed new stainless steel sinks in N. I. 1 and L. 3 N.

Installed a porcelain enamel sink in the Assistant Superintendent's apartment. Reset closets and lavatories and renewed piping to lavatories in the third halls north on three floors.

Renewed the piping and plumbing fixtures on the third floor rear center.

Built in a new bathroom and installed new piping and fixtures in the guest room in the Superintendent's apartment.

Installed new slop sinks, replacing old sinks in the following locations: — L.2.S.;

M.2.S.; U.2.S.; S.I.3; and S.I.4

Removed plumbing fixtures and piping from house No. 17 for repairs to house. Removed all plumbing and heating fixtures from house No. 13 to dismantle

Started work on replacing the hot water storage tank at the Employees Home South.

Started installation of a continuous treatment bath tub in the single bath room on S I 1

Replaced Akron tile sewer pipe with cast iron pipe through the new laundry plot. Installed radiators in flues to diningroom and bathroom in L.I.N.

Installed radiator guards in M.2.S.

Installed eight radiator guards and two coil guards in the South Infirmary.

Installed new lighting fixtures in the serving room in the Assistant's Superintendent's apartment.

Installed electric fans in the continuous bathrooms in L.4.A.S.; L.4.S.; and L.4.A.N.

Rewired and installed new lighting fixtures in guest room in the Superintendent's apartment.

Renewed lighting fixtures in two rooms and corridor on the third floor in rear

Installed electric clocks in the following locations: — L.I.N.; M.I.N.; U.I.N.; L.3.N.; M.3.N.; U.3.N.; N.I.3.E., and N.I.3.W.

Rewired house No. 17.

Rewired bathroom and stairway in nurses apartment at house No. 1.

Rewired bathroom and kitchen in house No. 5.

Rewired the milk pasteurizer room for motors and lights. Installed lights over the new gas range in the kitchen.

Replaced old wiring with BX cable in the following locations: -

West dormitory S.I.1 One dormitory U.2.S.
Sun parlor S.I.1. One light in dining room L.I.S.
East dormitory S.I.1. Toilet L.3.N.

BathroomS.I.3.ToiletM.3.N.One dormitoryU.I.S.ToiletU.3.N.One roomU.I.S.Dining roomL.3.N.

Renewed electric light fixtures in the following locations: — L.3.N.; M.3.N.; N.I.1. 2nd and 3rd floor serving rooms in Administration Building and U.I.S.

Installed 42 "Fire tox" fire extinguishers at barns, Employees Home South,

Nurses Home, Attendants' Home and Club House.

Installed Electro Hydraulic control on dumbwaiter machines at first halls North and South, third Halls North and South and Center. Made improvements and repairs to machines at first halls North and South, 3rd halls South and Center, including construction and installation of new cars and metal guide rails and safety devices to prevent operation of machine from more than one landing at a time and to prevent operation of machine from any landing when any door is open.

Equipped the cafeteria dumbwaiter with safety controls.

Installed radios in the following locations: — U.2.S., S.I.4., L.2.N., U.2.N., and N.I.2.

One thousand seven hundred and seven articles of tin ware were repaired during the year and 212 articles of sheet metal were constructed and also made a sheet iron exhaust duct for the Tumbler Dryer and tinned doors for the cafeteria dumbwaiter.

I wish to express my sincere appreciation to all the employees of the Northampton State Hospital who have cooperated so well during the past year. I also wish to thank you, the Trustees, for your advice during this same year.

# Respectfully sbumtitted,

EDWARD W. WHITNEY, M.D. Superintendent.

#### VALUATION November 30, 1934

		R	EAL	Est	ATE								
Land, 55034 acres													\$173,665.00
Buildings and betterments	•			٠	٠		•		•		•	•	2,170,194.10
				_									\$2,343,859.10
		'ERS	ONAL	. Pr	OPER	TY							
Travel, transportation and office expens	ses	٠.											\$2,368.70
Food													8,224.45
Clothing and materials													22.847.29
Furnishings and household supplies		÷						Ċ		•	•		112,672.67
		:		•	Ċ	•	•	:	•	•	•	•	2,764.69
			•	•	•		•	•	•	•	•	•	7,231.42
	•	•	•	•	•	•	•	•		•	•		54,582.86
	•		٠	•	•		•	•	•	•	•	•	
					•	•	•			•	•	•	5,282.23
Repairs									•				9,269.53
		•	_										\$225,243.84
			Sum	MAR	Y								
Real estate													\$2,343,859.10
Personal property													225,243.84
													\$2,569,102.94

# FINANCIAL STATEMENT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1934.

STATEMENT OF EARNINGS

							~								
															\$93,291.84
Personal Services:															
Reimbursement from Board	of	Reti	reme	ent											173.00
Sales:															
Food								_					\$22	2.26	
Clothing and materials		-			· ·								49	00.0	
Medical and General Care	•	-		•	•	•		•	•	•	•			1.50	
Garage and grounds .														1.00	
Repairs ordinary														5.47	
														).93	
Farm	•	•	•	•	•	•	•	•	•	•	•		300	1.93	
m + 1 - 1 -															0447 16
Total sales	•	٠	٠	. •	•	٠	٠	•		٠	•	•	•	•	\$447.16

Miscellaneous:													
Interest on bank balances											\$202	.12	
Rents						· ·			Ċ	2	.053	.72	
Unclaimed wedding rings		•		•	•			•	•		10	81	
Officialined wedding frings		•		•			•	•					
Total miscellaneous .													2,266.65
m . 1													\$96,178.65
Total earnings for the year		·	i i.	- 01-	. T.					•	•	•	\$96,189.32
Total cash receipts reverting	and trans	sterred	totn	ie Sta	te 11	easu	rer	•	•	•	\$47	36	\$50,105.02
Accounts receivable outstand Accounts receivable outstand	ing Dece	mber i	20 10	3 .	•	•	•		•		36	60	
Accounts receivable outstand	ing Nove	mber	30, 19	34 .		•	•		•				-\$10.67
Accounts receivable increase	α			•	•	-	•			•	•	•	φ10.07
		7.1	NTENA	NCE	Appp	ODD!	ATIO	NT.					
Balance from previous year, Appropriation, current year	brought f	Orwari	d d	INCE	AFFR	OPKI	ATIO.						\$16,570.76
Appropriation ourrent year	brought r	UI Wai	ч.	•	•	•	•	•	•	•		•	491.096.00
Appropriation, current year		•		•	•	•	•	•	•	•	•	٠.	
Total													\$507,666.76
Total Expenditures as follows:		•			•	•	•	•	•	•		•	•
Personal services										\$245	.298	.57	
Feed		•			•	•	•	•		85	474	40	
Food		•		•	•		•	•	•		409		
Medical and general care Religious instruction Farm Heat and other plant oper Travel, transportation and Garage and grounds Clothing and materials Furnishings and household Benairs ordinary		•			•	•	•		•		290		
Religious instruction .		•			•		•	•	•		.526		
rarm		•			•	•	•	•			.226		
Heat and other plant oper	auon .				•		•	•	•		,742	45	
Travel, transportation and	i onice exp	penses					•	•	•	ì	.142	66	
Garage and grounds .		•			•	•	•		•		717		
Clothing and materials					•	•	•	•		25	.803	07	
Furnishings and household	i supplies			•		•		•	•	12	427	. 07	
Repairs ordinary		•				•	•	•	•	12	071	00	
Furnishings and household Repairs ordinary Repairs and renewals .				•	•	•	•	•	•	13	,011	.09	
													\$482,930,83
Total maintenance expe Balance of maintenance appr	ropriotion	Nove	mbar	30 1	034	•	•	•	•	•	•	•	24.735.93
balance of maintenance appr	opriation	, INOVE	mber	30, 1	. 7 3 7	•	•	•	•	•	•	٠.	24,100111
													\$507,666.76
		SPF	CIAL	APPR	OPRI	AT101	NS						
Balance December 1, 1933, b	prought fo	rward											\$24,957.00
Balance December 1, 1933, b Appropriations for current y	ear .									•	•		883,000.00
m . 1													\$907,957.00
lotai		h .			•	•		:	•	\$248	227	55	φ,σ,σ,σ,σ,σ,σ,σ,σ,σ,σ,σ,σ,σ,σ,σ,σ,σ,σ,σ
Total	ee statem	ent be	iow)		•				•	<b>\$24</b> 0	204	62	
Reverting to Treasury of Co	mmonwea	um		•	•	•		•	•		204		248,532.17
Balance November 30, 1934,			****									-	\$659,424.83

Appropriation	Act or Resolve	Total Amount Appro- priated	Expended during Fiscal Year	Total Expended to Date	Balance at end of Year
Furnishing Male Attendants Home Male Nurses' Home Additional land Power plant Project M-14 Docket 1,027 Ward building, Project M-15 Docket 1,086 Dining and Service building, Project M-16, Docket 1,142 Laundry building, Project M-53 Docket 5,565. Storage building, Project M-45, Docket 8,191.	170-1932 245-1931 170-1932	\$13,500.00 150,000.00 75,000.00 360,000.00 242,000.00 106,000.00 94,000.00 81,000.00	\$718.01 1,125.72 153.64 155,341.27 78,804.45 11,855.04 272.11 57.31	\$13,324.04 149,855.97 52,564.98 155,341.27 78,804.45 11,855.04 272.11 57.31	\$175.96 144.03 22,435.02 204,658.73 163,195.55 94,144.96 93,727.89 80,942.69

During the year the average number of patients has been, 1,793. Total cost of maintenance, \$482,930.83 Equal to a weekly per capita cost of (52 weeks to year), \$5.1424. Total receipts for the year, \$96,189.32 Equal to a weekly per capita of, \$1.0242 Total net cost of maintenace for year, \$386,741 51 Net weekly per capita, \$4.1182

Respectfully submitted, Eva L. Graves,

Treasurer.

# STATISTICAL TABLES

As Adopted by the American Psychiatric Association Prescribed by the Masssachusetts Department of Mental Diseases

### Table 1. General Information

TABLE 1. General Information	
(Data correct at end of institution year November 30, 1934)  Date of opening as a hospital for mental diseases, August 16, 1858  Type of hospital: State	
Hospital plant: Value of hospital property: Real estate, including buildings Personal property	\$2,343,859.10 225,243.84
Total	. \$2,569,102.94
Actually in Service at End of Year	Vacancies at End of Year
M. F. T. M	
Superintendent	1 – 1
Assistant physicians 4 4 8	
Total physicians 4 4 8	1 - 1
Stewards	
Resident dentists	
Filatiliacists	
Graduate ridises	- 2 2
Other nurses and attendants 87 80 167  Occupational therapisits	
Social workers	
All other officers and employees	3 - 3
In other oneers and employed.	
Total officers and employees	4 2 6
Classification by Diagnosis, September 30, 1934	
Census of Patient Population at end of year:	sent from Hospital
	out Still on Books
WHITE M. F. T. M	
Insane	21 136 257
Mental defectives	- 2 2
Epileptic and mentally defective	
Alcoholics	
All other cases	
Total 846 948 1,794 12	22 138 260
Insane	1 2 3
Total 7 6 13	1 2 3
Grand Total	23 140 263
. M.	F. T.
Patients under treatment in occupational-therapy classes, including physi-	147 161
	147 161 435 575
Average daily number of all patients actually in hospital during year 837.93	966.43 1.804.36
Voluntary patients admitted during year	3 3
Persons given advice or treatment in out-patient clinics during year 105	204 309

TABLE 2. Movement of Patient Population for the Year Ending September 30, 1934

¹The total males and females in the Insane and Observation groups will not balance through September 30, 1934, owing to the fact that 6 males and 7 females had a C.L.S. during the year from Observation 100 to Court.

	۲	2.054.52	1,804.44	3.64	223.92	24.37		1,516	291	-	•	21	-	
	ĮŦ,	1,093.22	966.51	3.64	125.70	1		747	207	-		10	ł	
	M.	. 961.30	. 837.93	1.	. 98.22	. 24.37		. 769	. 84	1		11	-	
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	SUPPLEMENTARY DATA	٠	•	•	•	•		•	•	•		•	•	
	Σ.	٠	•	•	•	•	4:	•	•	٠		•	•	
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	CEN	٠			•		mbei			te	tion			
	JPP]	٠					epte			Ste	stitu			
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		ient	urin				rem			car	ıts ir		lefec	
		f pat	on d				ally			n family care September 30, 1934; State	atier		lly o	
		er o	ituti				acti			in fe	sane patients in hospital at end of insti	ive	1ents	
.,		ily number of patients on books during y	inst	are			f patients actually remaining in institution September 30, 1934;		18	ents	-insa	efect	u pu	
כפו		ilyr	E S	ily o	Ħ	ape	pati		ursii	pati	non	lly d	tic a	_
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arm		A				;	ź,			ź	ź			
170														

Table 3. Nativity of First Admissions and of Parents of First Admissions

N	P	'ATIEN	TS		ENTS OF M PATIENTS	IALE	PARENTS OF FEMALE PATIENTS				
Nativity	М.	F.	т.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents		
United States 1	131 12 -4 11 15 2 -13 8 19 3 4 3	118 22 15 3 5 1 - 2 - - - 11 3 11 14 - 1	249 2 27 3 9 2 1 7 2 - 24 11 30 4 8 3 1	67 	69 - 25 1 3 7 3 - 32 14 25 3 6 3 - 1	56 -22 -7 1 2 7 3 -7 13 25 3 6 3 -1	62 1 26 3 7 1 1 6 - 26 5 18 5 5 3 2 2	61 2 27 3 6 2 - 5 5 - - 29 5 5 18 4 4 2 2	51 1 22 3 5 1 - - 23 5 18 4 4 3 2 2		
Unknown	206	177	383	206	206	179	6 177	177	151		

 $^{^{1}(}Persons\ born\ in\ Hawaii,\ Porto\ Rico\ and\ the\ Virgin\ Islands\ should\ be\ recorded\ as\ born\ in\ the\ U.\ S.)$   $^{2}Includes\ Newfoundland.$ 

Table 4. Age of First Admissions Classified with Reference to Nativity, and Length of Residence in the United States of the Foreign Born

gn Born		RE ADMISSION	Unknown	M. F. T.		1 - 1
of the rorei	FOREIGN BORN	TIME IN UNITED STATES BEFORE ADMISSION	15 years and over	M. F. T.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	74 58 132
utted Diates	FOREI	TIME IN UNITI	5–9 years	M. F. T.		- 1 1
end of the control of the state of the control of the foreign Born			Total	M. F. T.	- 111041187809074820 - 111180048877779117 - 1111814414179117	75 59 134
angear fo an			Unknown	M. F. T.		3 6 9
y, when exclud		TAGE	Mixed	M. F. T.	1	27 23 50
ייי דו מיייי	NATIVE BORN	PARENTAGE	Foreign	M. F. T.		45 38 83
and to form and	NA		Native	M. F. T.	1204848408442422   118044842448237   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000	56 51 107
			Lotal	M. F. T.	11. 12. 13. 14. 15. 15. 15. 15. 15. 15. 15. 15. 15. 15	131 118 249
	J	Aggregate		M. F. T.	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	206 177 383
		AGE AT ADMISSION			0–14 years 15–19 years 20–24 years 30–24 years 30–34 years 31–39 years 40–44 years 45–49 years 55–59 years 66–64 years 76–74 years 66–64 years 68–64 years 77–79 years 80–84 years 80–84 years	Total

Table 5. Citizenship of First Admissions

Citizens by birth Citizens by naturalization Aliens		:	:	:	:	:	:	:	:	:	:	Males 131 36 36 36	Females 118 26 23 10	Total 249 62 59
•	•	•	•	•	•	•	•	•	•	•	•			
Total							_					206	177	383

Table 6. Race of First Admissions Classified with Reference to Principal Psychoses

RACE			Total		sy:	Witl phili nin ephi	itic go-		Vitl iden pha	nic	inf	With othe ections seas	r ous		coho veho		D dru	ue i	
		М.	F.	т.	М.	F.	T.	М.	F.	T.	M.	F.	т.	M.	F.	T.	M.	F.	T.
African (black) . English	:	3 39	2 46	5 85	1 4	_2	1 6	-	_	-	-	_	-	_ 2	_2	_ 4	-	=	_
Finnish	:	30 7 3	24 8	1 54 15 3	8 2	1	9 2 1	- -	1	1 -	2	-	2	3	2	3 2	-		
Hebrew Irish Italian ¹		2 44 14	7 32 5	9 76 19	4	-	4	- -	_	-	-	<u>-</u>	<u>-</u>	12 1	<u>-</u>	12 1	-	- - -	=
Pacific Islander Scandinavian ² . Scotch	:	1 3 7 27	- 4 6 21	1 7 13 48	- - 3	- - 1	- - 4	=	- 1	1	-	-	-	2 2 11	1	3 2 11	-	<u>-</u>	=
Slavonic ³ Syrian		1 1 1 22	21 - - 17	1 1 1 39	1 -	- -	1 -	- -	=	_	-	=	-	- - 2	=	- - 2	-		
Race unknown .  Total		206	177	383	24	- - 4	28		2	- 2		_	- 2	36	- 5	41	_	1	1
iotal	•	200	1//	303	-4	*	20	_	2	2	-		2	1 30	3	*1	_	1	•

Table 6. Race of First Admissions Classified with Reference to Principal Psychoses - Continued

RAC	CE.		Traumatic psychoses			With cerebral arterio- sclerosis			disti	With other sturbances circulation		(epilepsy)			Senile psychoses		
		х	М.	F.	T.	м.	F.	т.	м.	F.	T.	М.	F.	T.	М.	F.	T.
African (black) English Finnish French German Greek Hebrew Irish Italian Pacific Islander Scandinavian Scotch Slavonic West Indian Mixed Race unknown				- - - - - - - 1	1	- 14 - 5 2 - 7 3 1 - 3 - 4	1 12 - 4 - 2 11 2 - 1 5 - 1 2	1 26 -9 2 -2 18 5 1 -4 5 -5 2	1 3 1 - 1 1	2	1 5 - - 2 - 2	1 1 1	1 	1 1 1 2	7 1 4 1 1 1 1	2 - 1 - 1 - 1 1 - - 1	9 -1 1 
Total .			-	1	1	39	41	80	5	5	10	2	3	5	15	7	22

¹Includes "North" and "South."

²Norwegians, Danes, and Swedes.

³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

1Except Cuba.

Table 6. Race of First Admissions Classified with Reference to Principal Psychoses — Continued

Rac	Е				olutio	onal ses	me	ue tother tabo ases,	lic		e to i		cha ne	n org inges ervoi	15		sych	
				м.	F.	T.	Μ.	F.	T.	М.	F.	T.	М.	F.	T.	М.	F.	T.
African (black) English Finnish French German Hebrew Irish Italian Pacific Island Scandinavian Scotch Slavonic Slavonic Race unknown				- 2 - 1 - 3 2 - 1 1 1 1	- 1 - 1 - 2 - - - 2 1 - -	- 3 - 1 1 - 5 2 - 1 1 2 1 - 1		- - 2 - - 5 - - - - - - - - - -	- - 2 - - 5 - - - - - - - - - -					- 2 1 - - - - 1 - -	- 2 1 - - - - - 1 1 1	1	- - - - - - - - - - - - - - - - - - -	1 1
Tota! .			٠	10	7	17	-	9	9	-	2	2	1	4	5	1	1	2

Table 6. Race of First Admissions Classified with Reference to Principal Psychoses — Concluded

				ogo	11000	, o		11010	lucu								
RA	ACE		De	Ianio press ycho	sive		men		pat	h psy hic p nalit		n	With ienta icier	11		itho ycho	
		 	М.	F.	Т.	М.	F.	T.	М.	F.	T.	М.	F.	Т.	М.	F.	т.
African (black) English Finnish German Greek Hebrew Irish Italian Pacific I slander Scandinavian Slavonic West Indian Mixed Race unknown			1 1 1 - - 3 - - 1 - -	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 2 1 - 1 4 - - 1 1 1 1 - 1	1 7 7 2 2 1 8 7 - 1 10 - 11	1 16 12 4 -3 9 2 -1 1 10 -10 1	2 23 19 6 2 4 17 9 - 1 20 - 21 1	1		1	1	- 1 2 1 - 1 1 1 - - - 1	1 2 1 1 2 - 1 2 - 1	1 1 2 - - - - - 1 1		1 1 2 - - - - 1 1
Total .			6	6	12	57	70	127	1	_	1	1	8	9	6	1	7

IIncludes "North" and "South"
 Norwegians, Danes and Swedes.
 Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.
 1 Except Cuba.

Table 7. Age of First Admissions Classified with Reference to Principal Psychoses

Psychoses		Total			0–14 ear			5-1 /ear			20–2- years			25-29 years	
	м.	F.	T.	М.	F.	т.	М.	F.	т.	М.	F.	т.	М.	F.	T.
With syphilitic meningo-encephalitis With epidemic encephalitis With other infectious diseases Alcoholic psychoses Due to drugs, etc. Traumatic psychoses with cerebral arteriosclerosis With disturbances of circulation With convulsive disorders (epilepsy) Senite psychoses Involutional psychoses Due to other metabolic diseases, etc. Due to new growth With organic changes of nervous system Psychoneuroses Manic-depressive psychoses Dementia praecox With psychopathic personality With mental deficiency Without psychoses	24 	4 2 -5 1 1 41 5 3 7 7 9 2 4 1 6 70 -8 8	28 2 2 41 1 1 80 10 5 22 17 9 2 127 127		1	1		3		- - - - - - - - - - - - - - - - - - -		28 2	1 1 1 1 1 1 1 1 1 1	- - - - - - - - - - - - - - - - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100	1 1 1 1 1 - 2 - 2 1 1 21
Total	206	177	383	-	1	1	6	3	9	15	17	32	17	13	30

Table 7. Age of First Admissions Classified with Reference to Principal Psychoses — Continued

Psychoses		30–3 years			35–39 years			40–4 years			15–49 years			50–5 years			55–5 years	
	М.	F.	Т.	М.	F.	Т.	M.	F.	Т.	M.	F.	Т.	М.	F.	т.	м.	F.	T.
*****										1								
Withsyphiliticmen- ingo-encephalitis	5	1	6	2	-	2	2	2	4	5	_	5	3	-	3	2	_	2
With epidemic en- cephalitis	_	_	_	-	-	_	-	1	1	-	_	_		1	1	_	_	_
With other infec- tious diseases																		
Alcoholic psychoses	4	2	6	1 5	_	5	3	1	4	7	1	8	5	_	5	2	1	3
Due to drugs, etc.	_	_	_	_	_	-	-		-	l <u>'</u>		-	-	1	1			_
Traumatic psy-														_	_			
choses	~		-	-	_	-	-	_	-	-	-	-	-		_	-	-	_
With cerebral ar- teriosclerosis	_	_	_		_		_	_	_	_		_	5	4	9	1	4	5
With other distur-				_			_			_			,	-	,	1	7	J
bances of circu-																		
ation With convulsive	-	_		-	-	-	-	- '	-	-	-	-	-		-	2	1	3
With convulsive disorders epilepsy	_		_	_	_	_ '	_	1	1	1	1	2	_	_	_	_	_	_
Senile psychoses .	_	_	_ :	_	_	_	_				_	_		_	_	1	_	1
Involutional psy-	i															1		-
choses	-	-	-	-	-	-	2	_	2	-	2	2	4	2	6	2	2	4
Due to other meta-		1	1		1	1					1	1						
bolic diseases, etc Due to new growth	_	1	1	_	1	1	_	_	_	_	1	1	_	_	_	_	1	1
Withorganicchange																	•	•
of nervous system	-	-	-	-	-	- 1		1	1	-	_	-	-	1	1	-	1	1
Psychoneuroses .	-	_	-	1	-	1	_	_	_	-	-	_	-			-	_	-
Manic-depressive	1		1	1	1	2		3	3	1		1			1			
Dementia praecox	2	10	12	9	9	18	6	7	13	4	8	12	1 3	4	7	_	3	3.
With psychopathic	-	10	12	<b>–</b>	,	10	٠	•	10	-	0	12		-	•		0	٠.
personality .	-	-	-	-	_	-					_	_		_	-	1	_	1
With mental de-																		
ficiency Without psychoses	1	_	1	3	1	1 3	1	1	1 2	_	1	1	1	_	1	_	_	
without psychoses																		
Total	13	14	27	22	12	34	14	18	32	18	14	32	22	13	35	11	14	25

Psychoses		6064 years			55–69 vears			70–74 vears			75–79 years			0-84 ears			yea d ov	
	М.	F.	т.	М.	F.	T.	M.	F.	T.	М.	F.	T.	м.	F. 1	r.	м.	F.	т.
Wit. syphilitic meningo- encephlaitis With epidemic enceph- alitis With epidemic enceph- alitis With other infectious diseases Alcoholic psychoses Due to drugs, etc. Traumatic psychoses With cerebral arterio- sclerosis With otner distrubances of circulation Witl convulsive disorders (epilepsy) Senile psychoses Involutional psychoses Due to other metabolic diseases, etc. Due to new growth With organic changes of nervous system Psychoneuroses Manic-depressive psy- choses Dementia praecox With psychopathi per- sonality With mental deficiency.	2 7 5 11 1 1 1	7 1 i 1 1	2 7 1 2	2 10 2 - 3 1	4 1 - 1 - 2	2	6 - 1	1	1 2 - 1 1 1	- - - 6 1 - 4 - - - 1	- - - 7 - 1 - 1	13 1 5 - 1 1 - 1 1 - 1	4	_	8 - 2	- - - 2 - - 3 - -	3 - 1	5 - 4
Without psychoses .							1		1		-		=		-	_	_	_
Total	17	13	30	18	12	30	10	15	25	12	10	22	6	4 1	0	5	4	9

of Education of First Admissions Classified with Reference to Principal Psychoses E

Table 8. Degree of Education of First Admissions Classified with Reference to Frincipul Espendses	rst Ad	missic	ns C	tassı	nea n	nin 1	rejer	euce -	1.7 0.1	inni	1 12 -	Sycu	22803			-			1
Psychoses	₽ ,	Total		Illiterate	ate	Rea W	Reads and Writes		Common	ol		High School	-	ర	College		Unk	Unknown	- 1
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With syphilitic meningo-encephalitis With other infectious diseases Alcoholic psychoses Alcoholic psychoses Due to drugs, etc. Traumatic psychoses With cerebral arterioselerosis With cerebral arterioselerosis With convulsive disorders (epilepsy) Senile psychoses Involutional psychoses Involutional psychoses Due to other metabolic diseases, etc. Due to other metabolic diseases, etc. Muth organic changes of nervous system Psychoneuroses. Maric depressive psychoses Maric depressive psychoses With psychopathic personality With mental deficiency	24 30 30 10 112 20 10 10 10 10 10 10 10 10 10 10 10 10 10	42 - 2 - 1 - 1 + 4 + 1 - 2 - 2 - 2 + 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	22224 22225 200 200 200 200 200 200 200 200 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2   1   4   1   1   1   1   1   1   1   1	0	1	22 - 1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	111 110 124 141 141 141 152 173 173 173 173 173 173 173 173 173 173	21 22 33 3 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5	8   1   1   1   1   1   1   1   1   1	141441444414189111	8444444444	-    -  -   -	111111-1111111110	11132111111111	-11101111111111	11111111-111	1
Total	206	177 3	383 1	19 20	39	33	43 7	76 1	107 70	177	33	32	65	∞	8	11	٥	9	12
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Duminoum of Biret Admissions (Hossified with Reference to Dringinal Psuchoses

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Admissions Classified with Reference to Principal Psychoses	25,000- 49,999	표	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	16
ejer	25, 49	M.	2   19   12   14   1   1   1   1   1   1   1   1	35
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m	10,000- 24,999	표.	11 12 1 12 1 1 1 1 1 1 2 1 1 1 1 1 1 1	44
ified		M.	0   1   4   1   1   2   1   1   1   1   1   1   1	37
lass		Ŀi	122   1   1   1   1   1   1   1   1   1	54
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sion	9,	M.	5 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	35
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Ac	0-2,499	표	1   1   1   1   1   1   1   1   1   1	11
rrsı	9	M.	111811641111114111	23
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			With syphilitic meningo-encephalitis With optidemic encephalitis Myth other infectious diseases Alcoholic psychoses Due to drugs, etc. Traumatic psychoses With ocher disturbances of circulation With other disturbances of circulation With other disturbances of circulation With other disturbances of circulation With other disturbances of circulation With other metabolic discases, etc. Due to other metabolic discases, etc. Due to other metabolic discases, etc. Multin organic changes of nervous system Psychoeuroses. Manic-depressive psychoses With psychopathic personality With mental deficiency With neutral deficiency	Total .
			With With With With With With With With	

Table 10. Economic Condition of First Admissions Classified with Reference to Principal Psychoses

				- J- 0	,	,									
Psychoses		Total		De	epend	lent	N:	largi	nal	Con	ıfort	able	Uı	kno	wn
	М.	F.	T.	M.	F.	T.	M.	F.	Т.	М.	F.	T.	М.	F.	т.
With syphilitic meningo- encephalitis With epidemic encephalitis With other infectious dis- eases Alcobolic psychoses Due to drugs, etc. Traumatic psychoses With ccrebral arterioscle- rosis With other distrubances of circulation With convulsive disorders (epilepsy) Senile psychoses Involutional psychoses Due to other metabolic dis-	24  2 36  39 5 2 15 10	1 2 5 1 1 1 5 3 7 7	28 2 2 41 1 1 80 10 5 22 17	5 - 6 - 13 1 - 8 1	3 - 1 1 23 1 1 5	8 - - - - - 1 36 2 1 13 1	14 - - 24 - - 15 2 1 4 9	1 1 4 - - 11 3 1 1 6	15 1 - 28 - - 26 5	4 - 1 5 - - 11 2 1 2 -	- 1 - - - 5 1	4 1 1 5 - 16 3 1 2	1 1 1 - - - 1	- - 1 - 2 - 1 1	1 1 1 1 1 - 2 - 1 2 1
eases, etc	- -	9 2	9 2	-	2 1	2	-	<b>6</b> 1	6 1	-	1	1	-	_	_
nervous system Psychoneuroses Manic-depressive psychoses Dementia praecox With psychopathic person-	1 1 6 57	4 1 6 70	5 2 12 127	- 1 8	1 1 24	1 2 32	$-\frac{1}{3}$	3 - 4 31	3 1 7 73	$\frac{1}{\frac{2}{7}}$	- - 12	1 - 2 19		1 1 3	$\frac{1}{1}$
ality	1 1 6	- 8 1	1 9 7	-	- 6 -	- 6 -	- 1 4	- 2 1	3 5	1 - 2		$-\frac{1}{2}$	-	-	-
Total	206	177	383	43	70	113	120	76	196	39	20	59	4	11	15

Table 11. Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses

Psychoses		Total		A	bstine	ent	Te	mper	ate	Inte	empe	rate	Ur	kno	own
	М.	F.	Т.	M.	F.	т.	М.	F.	Т.	м.	F.	T.	М.	F.	Т.
With syphilitic meningo-encephalitis With epidemic encephalitis With other infectious diseases Alcoholic psychoses Due to drugs, etc. Traumatic psychoses With cerebral arteriosalerosis With other disturbances of circulation With convulsive disorders (epilepsy) Senile psychoses Involutional psychoses Due to other metabolic diseases, etc.	24 -236 -39 -39 -5 -215 10	4 2 -5 1 1 41 5 3 7 7	28 2 2 41 1 1 80 10 5 22 17	3 - - - 28 3 - 6 5	2 2 - 1 1 34 4 1 6 -	5 2 - 1 1 62 7 1 12 5	12 - 1 - - 8 1 2 7 4	2 5 1	14 - 1 - - 13 1 3 7 4	8 - -36 - -3 1 - 2 1	- - 5 - 1 - 1 7	8 - - 41 - - 4 1 1 2 8	1	- - - - 1 1	1 - 1 - - 1 1
eases, etc	-	9	2	_	8	8	-	1	1	-	_	_	-	1	1
ous system . Psychoneuroses Manic-depressive psychoses Dementia praecox With psychopathic personality With mental deficiency Without psychoses	1 6 57 1 1 6	4 1 6 70 - 8	5 12 127 1 1 9 7	- 1 19 - 2	3 1 2 56 - 7 1	3 1 3 75 - 7 3	1 3 26 -	1 2 11 -	1 5 37 - 1	1 - 2 11 1 1 4	1 2 -	$\frac{1}{3}$ $\frac{1}{13}$ $\frac{1}{14}$	- - 1 - -	- 1 1 - -	- 1 2 - -
Total	206	177	383	67	130	197	65	24	89	71	17	88	3	6	9

Table 12. Marital Condition of First Admissions Classified with Reference to Primeinal Psychoses

		.						,	,						
PSYCHOSES	Н	Total		Single	3 le		Married		Widowed	wed	Divorced		Separated	ated	
	M.	표	T.	M. F.	T.	Ä.	F.	T.	M. F.	ij	M. F.	Ţ.	M. F.	T.	1
With syphilitic meningo-encephalitis With epidemic encephalitis With epidemic encephalitis With char infectious diseases Alcoholic psychoses Due to drugs, etc. Traumatic psychoses With cerebral arterioselerosis With carbar arterioselerosis With char disturbances of circulation With char disturbances of circulation With convulsive disorders (epilepsy) Semile psychoses Involutional psychoses Due to other metabolic diseases, ctc. Due to other metabolic diseases, ctc. With organic changes of nervous system Psychonenroses Manic-depressive psychoses Demontra praecox With psychopathic personality With mental deficiency	25 36 37 10 10 10 10 10 10 10 10 10 10 10 10 10	401011100000000000000000000000000000000	288 222 117 117 20 20 20 20 20 4	4 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4121112222211286	12 22 22 22 17 17 17 18 8 8 12 11 12 11 11 11 11 11 11 11 11 11 11	24   44   15   20   14   14   14   14   14   14   14   1	41 - 122 - 25 - 27 - 14 - 17 - 17 - 17 - 17 - 17 - 17 - 1	4112117	0112114881111111111111111111111111111111	111111111111111111111111111111111111111	-11011011-11111011-	m11111-1111111-1111	m	1
Total	506	177 3	383 71	1 50	121	87	82	172	33 33	99	10 7	17	S	2 7	1
			I		Ì		I						1		

Table 13. Mental Disorders of All Admissions, All Discharges, All Deaths, 1934, All Cases in Residence and All Cases Out on September 30, 1934, by Status of Admission and Sex

Admissions         Read-missions         Admissions         Admissions         Admissions         Admissions         Read-missions         Admissions         Admissions         Admissions         Admissions         Admissions         Admissions         M. F. T. M. F.		A	ALL ADMISSIONS 1	MISSIC	NS 1	s1 ALL DISCHARGES ALL DEATHS	S   S	ALL DISCHARGES ¹	ISCHA	RGES	1.	§	A A	ALL DEATHS	EATH	s s	30	RE	SIDEN	RESIDENT POPULATION	TULA	NOI	_ <u>- G</u>	ATIE	OST	UT 0	N V IS	PATIENTS OUT ON VISIT ETC.	TC.
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Table 13. Mental Disorders of All Admissions, All Discharges, All Deaths, 1934, All Cases in Residence and All Cases Out on September 30, 1934, by Status of Admissions and Sex — Concluded.

		September :	60 (4004) 08	vot; og vertus	3	2020110	Taumestone and Jer	י ייייי	Jen	5 ! !	Concidence	inen.									
	ALL AD	ALL ADMISSIONS ¹	ALL DIS	ALL DISCHARGES 1			ALL DEATHS	ЕАТН	vo.		RES	RESIDENT POPULATION	OPUL	ATIOI		РАТП	PATIENTS OUT ON VISIT ETC.	Our	ON V	ISIT	ETC.
Mental Disorders	First Admissions	Read- missions	First Admissions	Read- missions	-I- sus	First Admissions	ssions	M.ii	Read- missions		First	First Admissions	_ E	Read- missions	<u>s</u>	Adn	First Admissions	su	H. H.	Read- missions	8
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with psychopatine personality With mental deficiency: Idiot	1 1 2	1 1	1 1	1 1	1 1	1 1	- 1	1 1	1 1	1 1	e 2		1 4		1 2	i i	1 1	1 1	1 1	j (	i i
Moron Moron Unknown Undiagnosed Psychoses:	1	1 - 1 2 - 2 - 1 1	3 5 8	1 1 1	1 1 1	211	1 1	ı <del></del> ı	1 1 1		19 18 19 16 - 2	37 35 2	11.5.	4 v. –	10 10	2	1 2 1	-41	1-1-1	1.1.1	1 1 1
Without Psychoses: Alcoholism Drug addiction Psychopathic personality:	10 - 10	2 - 2	9 - 9	2	7	1 1	1 1	1.1	1 1	1 1	- 1	<del>-</del> 1	1.1	1 1	1 1	1.1	1.1	t i	U	1.1	F 1
Mixed types Mental deficiency:	1	t 1	1	1	ı	i	1	i	ı			ı	1	1	ι	1	1	1	-	1	-
Idiot Imbecile Monora Epilebsy and mental deficiency	3 2 5 2 5 2 2	1 - 1	6.4   1	2	1 1 2	1-1	1-1	1 1 1	1 1 1	111	2 3 6 5 2 1	1113	1-1	11-	1	1 1 1	I	1	1 1 1	111	1 7 1
Moron Other non-psychotic diseases.		1	1 -	1	1	1	1	1	ı		1	t	-	1	-	1	1	ı	1	1	ì
No other condition	3 - 1 3	2 2 4	3 - 3	1 - 2	n 1	1.1	1 1	4 1	1 1	1 1	- 1	<del>-</del> 1	1.1	1 1	1.1	(-)	1 1	1.1	1.1	1-1	1-1
Grand Total	243 197 440	58 48 106	124 104 228	34 26	99	62 7	76 138	12	10 2	22 67	671 702	1,373		182 252 434	134	95 1	95 102 197	16	28	38	99
Does not include transfers																					1

Table 14. Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge

Psychoses		Total		Re	cove	ered	Ir	npro	ved	Uni	mpr	oved
	M.	F.	T.	М.	F.	т.	М.	F.	T.	М.	F.	T.
With syphilitic meningo-encephalitis . With other forms of syphilis . With epidemic encephalitis . With other infectious diseases .	5 - 4 -	4 1 4 1	9 1 8 1	1	1	1 - 1 1	4 - 4 -	1 3	8 1 7			=
Alcoholic psychoses Due to drugs, etc. Traumatic psychoses With cerebral arteriosclerosis	17 1 1	3 2 - 6	20 3 1 7	11 - -	1	11 1 - 1	6 - 1	3 1 -	9 1 1	1 -		$\frac{1}{2}$
With other disturbances of circulation . With convulsive disorders (epilepsy) . Senile psychoses	1 3 2	2 - 4	3 3 6	1 2 -	1 -	2	1 2	1 - 3	1 1 5	- - -	1	- 1
Involutional psychoses Due to other metabolic diseases, etc. Due to new growth With organic changes of nervous system.	5 1 - 2	2 1 1	7 2 1 2	2 - -		2 - -	3 - - 2	2 1 1	5 1 1 2	1 -	-	1
Psychoneuroses	28 29	18 49	2 46 78	18 -	- 4 -	22	- 8 22	1 14 45	1 22 67	2 7	1 4	1 2 11
Paranoia and paranoid conditions With mental deficiency Without psychoses	1 3 9	6	1 9 9	1 -	-	1	2	6 -	8	1 - -	=	1 - -
Total	113	106	219	36	9	45	55	90	145	13	7	20

Table 15. Hospital Residence during This Admission of Court First Admissions
Discharged during 1934

Psychoses							Numb	er	Hospi	erage N tal Resi n Years	
						М.	F.	Т.	М.	F.	T.
With syphilitic meningo-encephalitis With other forms of syphilis		:	:	:	:	5	4 1	9 1 7	1.01	1.35	1.16
With epidemic encephalitis With other infectious diseases	:	:		:	:	4	1	1	2.16	. 12	1.28
Alcoholic psychoses	:	:	:	. :	:	16 -	3	19 1	.79	. 29 . 20	. 71 . 20
Traumatic psychoses With cerebral arteriosclerosis	:	:		:		1	6	1 7	. 29 . 29	. 23	. 29 . 24
With other disturbances of circulation With convulsive disorders (epilepsy)	•					- 3	1	1 3	.62	. 20	. 20
Senile psychoses		÷	÷	·		3 2 4	3 2	5	.89	. 21	. 48
Due to other metabolic diseases, etc.				÷		1	ĩ	2	. 20	. 04	. 12
Due to new growth	•	:	:		:	2	-	2	. 54	. 46	. 46 . 54
Psychoneuroses		:	:	:		16	2 11	27	9.16	1.94 1.21	1.94
Dementia praecox		•			•	20	40	60 1	1.53	.99	1.17
With mental deficiency Without psychoses				÷		3	6	9 6	1.10	5.23	3.86
Total						85	86	171	1.04	1.16	1.10

Table 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders

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	Ser	M. F.			_					
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	With convul- sive dis- orders (epilepsy)	F. T	11111	1 1	i	1 1	11-1	1 1	1 1 1 1 1	111
ers		Ä.	11111	1.1	1	1 1	1111	F-1	11111	1.1.1
sora	With other disturb-ances of circulation	H.	11111	1	1	1 1	1 1 3 1	1 1	-11	1 - 1
Di	With other disturb-ances of irculation	M. F.	11111	1.1	1	1 1	1 # 1 #	1 1	111-1	1 1
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иел	th oral io- osis	T.	1 1 1 1 1	-!	-		∞ 1 1 1	15	-6881	1 1 2
$ae^{7}$	With cerebral arterio- sclerosis	17	11111	1	ı	1 1	2 - 1 - 1	7	12121	1-1
cip		Ä.	11111	1 1		1	9111	1 ∞	1171	1 1 2
rr	Alcoholic	T.	11111	<del></del> 1	1	1 1		1 1	1111-	-11
02	Alcoholic psychoses	M. F.	1111	- 1	1	1 1		1 1	1111	-1:
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ere	With other nfectious diseases	压.	1111	11	i	1 1	1111	( )	11111	111
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2/12	h mic ph-	F.	11-11	1-1	1	1 1	111	1 1	1111	1 1 1
3 3	With epidemic enceph- alitis	M. F.	1111	1 1	1	1 1	1111	1 1	11111	1 1 1
26.76		F.	11114	1.1	<u> </u>	1 1	1111	1 1	11111	111
200	With other forms of syphilis	F. 1	1111=		i	1 1	1111	11	11111	111
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122	tic 50- litis	F.	1111	1.1	ŀ	1 1	1 1 - 1 - 1	1 1	1-111	1 1 1
7 00	With syphilitic meningo- encephalitis	퍈	11111	1-1	1	1 1	1 1 1 1	1 1	1.1.1.1.1	111
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			Infectious and Parasitic Diseases: Dysentery Exyster Care and Parasitic Cyledenic) Tuberculosis of the respiratory sy Syphilis (non-nervous forms) Coucer and Other Tumers.	Cancer and other malignant tumors Tumor (non-cancerous) Rheumatic Diseases, Nutritional D Diseases of the Endocrine Glands an General Diseases.	Diabetes.  Discases of the thyroid and parathyroid	Bisnesses of the Blood and Blood-making Organs: Leukemias and pseudo-leukemias Bisnesse of the Nervous System and Organs of Sancial Sance.	Deciral hemorrhage Cerebral hemorrhage General paralysis of the insane Epilepsy Other diseases of the nervous system	Charon of the condition	pectoris Other diseases of the heart Arteriosclerois Gangrene Other diseases of the arteries Uther diseases of the Respiratory System:	Bronchopneumonia (including car bronchitis) Lobar pneumonia Other diseases (tuberculosis excepted)
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Table 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders — Concluded

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TABLE 10: Outses of Death of	CAUSES OF DEATH		Infections and Parastic Diseases:  Dysentery Expipelas Expipelas Lethargic encephalitis (epidemic).  Tuberculosis of the respiratory system Suberculosis of the respiratory system Tuberculosis of the respiratory system Suberculosis of the respiratory system Tumor unon-nervous forms) Cancer and other Tumors: Cancer and other malignent tumors Tumor unon-cancerous) Returnate Diseases, Natritional Diseases Diseases of the thyroid and Band-mat-ing Organs Diseases of the Rind and Band-mat-ing Organs Echermias and pseudo-leukemias. Diseases of the Nervous System Other diseases of the nervous system Diseases of the Caradiory System: Crebral hemorrhage Chronic endocarditis (valvula disease) Diseases of the coronary atteries and angina pectoris Other diseases of the nervous Diseases of the Caradiory System: Diseases of the Caradiory System: Diseases of the Respiratory System: Cher diseases of the Agradiory System: Diseases of the Respiratory System: Cher diseases of the Agradiory System: Diseases of the Respiratory System: Diseases of the Messages Other diseases of the Agradiory System: Diseases of the Messages Other diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Diseases of the Agradiory System: Dise

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Table 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses

				Total	al		25-29 years	6 s		30–34 years		35–39 years	39 rs		40-44 years	<b>4</b> "	4.5	45-49 years		K W	50-54 years
PSYCHOSES			M.	压	E	Z Z	표	H	Ä	F.	H.	М. F.	T.	Ä.	됴	F.	M.	(II.	H	Z.	F. T.
With syphilitic meningo-encephalitis With other forms of syphilis With epidermic encephalitis With other infectious diseases Alcoholic psychoses Alcoholic psychoses With other disturbances of circulation With convulsive disorders (epilersy) Sendle psychoses Involutional psychoses Due to other metabolic diseases, etc. Due to other metabolic diseases, etc. Due to other metabolic diseases, etc. Due to other metabolic diseases, etc. Due to other metabolic diseases. With organic changes of nervous system Wanti-ceptressive psychoses Dementia praecox With mental deficiency With mental deficiency	 	 	51-025-02-02-03-03-03-03-03-03-03-03-03-03-03-03-03-	1-11282-174024821-1	0124884923019421181	111-111111111111		111-111111-1111		111111111111	-11111-11-11111	-11-111111111111					11-111111111111	1111-11111-1-1-1111	-   -             -   -		
Total			70	84	154	_	1	2	2	-	8	2	_ 2	4	3		-	~	4	3	Ŋ

Table 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses — Concluded

With syphilitic meningo-encephalitis         M. F. T. M. F. T
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TABLE 18. Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses

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1	49		With syphilitic meningo-encephalitis With other forms of syphilis With epidemic encephalitis With peldemic encephalitis With other infections diseases. With crearbar arteriosclerosis With crearbar arteriosclerosis With crearbar arteriosclerosis With other disturbances of circulatio With convolusive disouches of circulatio With convolusive disouches (epilepsy) Senile psychoses Due to other metabolic diseases, etc. Due to new growth With organic changes of nervous sys Manic-depressive psychoses Dementia praecox With psychopathic personality With mental deficiency With mental deficiency	Total .
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1 ABLE 10. 10tal Duration of Aospital Life of Fairents D	ying in Hos	Jying in Hospital Classified According to Frincipal Esychoses	nea Accorai	ng to Frince	pat Fsycho	-	oncidaea
Psychoses	3-4 years	5-6 years	7–8 years	9–10 years	11–12 years	15-19 years	20 years and over
	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.
With syphilitic meningo-encephalitis With other forms of syphilis With other forms of syphilis With other infectious diseases Alcoholic psychiosas Alcoholic psychiosas With other disturbances of circulation With convulsive disorders (epilepsy) Senile psychiosas Involutional psychioses Due to other metabolic diseases, etc. Due to new growth With organic changes of nervous system With organic changes of nervous system Dementia, practor With psychopathic personality With purchapathic personality With mental deficiency	1112111111111		111140111111111111111111111111111111111	TITTIETTETTTETET TITTIETTTETTTETET			
Total	5 13 18	4 3 7	4 4 8	2 2 4	2 1 3	- 2 2	6 8 14

Table 19. Average Length of Hospital Residence during the Present Admission of All First Admission Cases in Residence on September 30, 1934

Psychoses			Numb	er	Hosp	verage N ital Resi in Years	dence
		М.	F.	T.	М.	F.	T
With syphilitic meningo-encephalitis With other forms of syphilis With epidemic encephalitis Alcoholic psychoses Due to drugs, etc. Traumatic psychoses With cerebral arteriosclerosis With other disturbances of circulation With convulsive disorders (epilepsy) Senile psychoses Involutional psychoses Due to other metabolic diseases, etc. Due to new growth With organic changes of nervous system Psychoneuroses Manic-depressive psychoses Dementia praecox With psychopathic personality With mental deficiency Without psychoses		49 27 104 4 49 5 5 5 28 40 2 1 20 300 3 40 12	16 -4 9 2 1 68 6 2 25 27 12 1 2 3 3 448 3 3 9	67 14 1 3 3 48 748 6 76 21	2.71 3.00 5.21 6.55 9.00 1.80 2.07 5.29 2.80 3.76 10.50 7.50 	3.18 5.00 13.06 3.98 .45 1.99 5.00 4.09 2.95 2.82 12.50 9.8 2.15 5.29 9.40 15.83 6.27 13.78	2.82 3.00 5.14 7.07 3.98 7.29 1.91 3.84 6.64 3.41 3.44 3.94 12.50 3.15 2.15 6.00 9.21 12.16 8.89
Total	., ".	671	702	1,373	6.96	2.25	4.55

Table 19a. Average Length of Hospital Residence during the Present Admission of All Readmission Cases in Residence on September 30, 1934

An itenamission cases in iteratence on September 30, 1334											
• Psychoses			Numb	er	Average Net Hospital Residence in Years						
	,	М.	F.	T.	М.	F.	T.				
With syphilitic meningo-encephalitis With epidemic encephalitis Alcoholic psychoses With cerebral arteriosclerosis With other disturbances of circulation With convulsive disorders (epilepsy) Senile psychoses Involutional psychoses Due to other metabolic diseases, etc. With organic changes of nervous system Psychoneuroses Manic-depressive psychoses Dementia praecox With psychopathic personality With mental deficiency		2 1 16 4 - 2 2 10 - - 26 100 - 17	1 1 7 2 1 3 -7 2 1 2 39 173 1	3 2 23 6 1 5 2 17 2 6 5 2 273 1 28	2.00 .45 8.81 1.99 - 3.00 .45 1.99 - 7.66 11.38 8.52	. 45 2.50 6.36 .98 12.50 14.83  3.63 12.50 1.50 4.50 5.03 8.09 7.50 10.68	1.48 1.48 8.06 1.65 12.50 10.10 .45 2.66 12.50 1.50 4.50 6.08 9.29 7.50 9.37				
Without psychoses		182	252	434	9.13	7.51	8.12				

Table 20. Family Care Statistics for Year Ending September 30, 1934

					- A	1ales	Females	Total
Remaining in Family Care September 30, 1933						-	4	4
On Visit from Fairily Care September 30, 1933						_	-	
Admitted to Family Care During the Year.						_	3	3
Whole Number of Cases within the Year						-	7	7
Discharged from Family Care within the Vear						_	1	1
From Family Care to Visit Status						-	1	1
Returned to Institution						_	1	1
Nemaning in Family Care Sentember 30 1931						-	4	4
On visit from Family Care September 30, 1934						-	1	1
Average Daily Number in Family Care During	Year	:				-	3.42	3.42
Supported by State							1	1



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